



TEST REPORT

QR/5.10/01

Customer's Name and Address :

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M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180130017 Issue Date : 13/02/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 30/01/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 31/01/2018	Lab ID : PLPL/180130017
Packing/ Seal : Sealed	Date of Completion : 13/02/2018
Date of Starting of Test : 31/01/2018	Sample Identification : SW-1 Vapi Weir[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.24	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	21.8	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	283	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	47	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	184	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	94	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	19	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	20	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	10.56	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.02	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.092	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.16	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	14.2	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	< 0.02	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	< 0.01	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

- FSSAI Approved Lab
- Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986
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- ISO 14001 : 2004
- OHSAS 18001 : 2007
- ISO 9001 : 2008

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M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL/180130017**

Issue Date : **13/02/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	13	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	1.9	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	8	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	2	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	28.4	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.8	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.20	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.94	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	78	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	< 0.5	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.10	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	162	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	180	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL/180130018**Issue Date : **13/02/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : **Surface water** Quantity/No. of Samples : **12 Lit/One**
Sampling By : **Pollucon Laboratories Pvt. Ltd.**
Sampling Date : **30/01/2018** Protocol (Purpose) : **Analysis of Surface water sample**
Sample Receipt Date : **31/01/2018** Lab ID : **PLPL/180130018**
Packing/ Seal : **Sealed** Date of Completion : **13/02/2018**
Date of Starting of Test : **31/01/2018** Sample Identification : **SW-2 Lavacha Temple[#]**
RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.25	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	33.2	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	320	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	36	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	208	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	101	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	32	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.1	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	28	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	6.72	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	<0.03	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.16	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.94	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.02	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	26	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.036	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.06	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....


H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

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Customer's Name and Address :

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M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL/180130018**Issue Date : **13/02/2018**

Customer's Ref. : W.O.NO.-PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	13.1	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	1	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	18	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	6	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	28	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.94	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.7	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.78	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	89	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	12	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.6	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	184	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	120	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	280	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

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M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180130019 Issue Date : 13/02/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 30/01/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 31/01/2018	Lab ID : PLPL/180130019
Packing/ Seal : Sealed	Date of Completion : 13/02/2018
Date of Starting of Test : 31/01/2018	Sample Identification : SW-3 Surat Beverages[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.95	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	18.1	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	411	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	40	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	272	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	96	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	32	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	24.2	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	8.64	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.04	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.28	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	1.1	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	20.1	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	< 0.02	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.052	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

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M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL/180130019**Issue Date : **13/02/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	12	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.6	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	28	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.66	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.1	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.3	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	106	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	10	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.9	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	208	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager**Dr. Arun Bajpai**
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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**TEST REPORT**

QR/5.10/01

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Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180130020 Issue Date : 13/02/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 30/01/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 31/01/2018	Lab ID : PLPL/180130020
Packing/ Seal : Sealed	Date of Completion : 13/02/2018
Date of Starting of Test : 31/01/2018	Sample Identification : SW-4 Madhuban Dem[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	17.6	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	204	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	29	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	150	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	68	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	14.9	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	6.1	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	20.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	3.36	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	< 0.005	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.12	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.84	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	< 0.01	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	11.2	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	< 0.02	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.03	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	17.6	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....


H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL/180130020**

Issue Date : **13/02/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	6.7	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	1.8	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	27.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.44	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	0.89	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.47	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	90	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	< 0.5	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	0.76	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	129	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	94	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	280	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL/180130021**Issue Date : **13/02/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : **Surface water** Quantity/No. of Samples : **12 Lit/One**
 Sampling By : **Pollucon Laboratories Pvt. Ltd.**
 Sampling Date : **30/01/2018** Protocol (Purpose) : **Analysis of Surface water sample**
 Sample Receipt Date : **31/01/2018** Lab ID : **PLPL/180130021**
 Packing/ Seal : **Sealed** Date of Completion : **13/02/2018**
 Date of Starting of Test : **31/01/2018** Sample Identification : **SW-5 Naroli Bridge#**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.4	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	23.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	248	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	31.0	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	158	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	82.0	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	17.2	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	7.0	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	22.0	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	7.1	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.0	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.1	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.1	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	14.0	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.1	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	< 0.01	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....


H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL/180130021**Issue Date : **13/02/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	10.0	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	3.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	28.0	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.9	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	0.76	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.4	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	77.0	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	2.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	0.6	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	122	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	120	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	210	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager**Dr. Arun Bajpai**
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180130022 Issue Date : 13/02/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 30/01/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 31/01/2018	Lab ID : PLPL/180130022
Packing/ Seal : Sealed	Date of Completion : 13/02/2018
Date of Starting of Test : 31/01/2018	Sample Identification : SW-6 Namdha[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.31	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	27.6	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	3754	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	49	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	2628	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	520	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	1349	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	4.9	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	92	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	71	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.02	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.03	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.78	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	0.022	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	360	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.58	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.03	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....


H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL/180130022**

Issue Date : **13/02/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	629	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	28	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	64	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	14	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	29	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.84	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	5.6	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.26	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	90	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	9	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	5.2	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	2250	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180130023 Issue Date : 13/02/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 30/01/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 31/01/2018	Lab ID : PLPL/180130023
Packing/ Seal : Sealed	Date of Completion : 13/02/2018
Date of Starting of Test : 31/01/2018	Sample Identification : SW-7 Zari Causeway#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.76	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	29.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	8155	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	52	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	5709	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	1480	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	2490	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	210	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	229	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.01	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.02	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.1	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.62	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	0.08	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	1320	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.89	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.76	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....


H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL/180130023**Issue Date : **13/02/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	1180	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	65	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	42	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	18	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	28	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.9	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	7.9	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	2.1	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	172	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	30	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	7.4	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	4560	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	94	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager**Dr. Arun Bajpai**
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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Navjivan Circle,Udhana Magdalla Road, Surat-395007, Gujarat, India.

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**TEST REPORT**

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180130024 Issue Date : 13/02/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 30/01/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 31/01/2018	Lab ID : PLPL/180130024
Packing/ Seal : Sealed	Date of Completion : 13/02/2018
Date of Starting of Test : 31/01/2018	Sample Identification : SW-8 Moti Daman Jetty[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.65	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	39.2	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	31200	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	70	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	21840	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	4490	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	11499	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.1	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	261	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	922	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.02	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.03	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.21	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.52	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	0.05	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	<0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	<0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	2920	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	1.02	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.88	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....


H. T. Shah
Lab Manager


Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180130024 Issue Date : 13/02/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	5200	
24	Potassium as K	mg/L	182	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	120	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	34	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	28	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO3	mg/L	0.78	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.1	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO4	mg/L	1.3	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO3	mg/L	228	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO3	mg/L	52	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH3	mg/L	1.9	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	Mg/L	19310	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	
36	Beta BHC	µg/L	< 0.25	USEPA 508
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	mg/L	280	APHA(22 nd Edi)9221-E & C
51	Total Coliform	mg/L	1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180130025 Issue Date : 13/02/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 30/01/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 31/01/2018	Lab ID : PLPL/180130025
Packing/ Seal : Sealed	Date of Completion : 13/02/2018
Date of Starting of Test : 31/01/2018	Sample Identification : SW-9 At D/S of discharge of distillery[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.94	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	5.9	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	32534	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	112	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	22774	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	4720	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	11800	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	4.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	426	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	857	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.04	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.05	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.1	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	2.1	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.06	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	1360	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.12	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.18	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....


H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL/180130025**Issue Date : **13/02/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	7900	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	240	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	31	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	10	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	28	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.92	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.54	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.38	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	178	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	42	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	2.4	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	20175	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	430	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.


H. T. Shah
Lab Manager

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/02

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/PLPL180226053 Issue Date : 06/03/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2025-2026/307 DATE:28.10.2026
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/02/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/02/2018	Lab ID : PLPL/PLPL180226053
Packing/ Seal : Sealed	Date of Completion : 06/03/2018
Date of Starting of Test : 26/02/2018	Sample Identification : SW-1 Vapi Weir[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.16	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	18.8	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	252	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	56	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	178	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	74	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	24	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	15.2	IS:3025 (P-40) 1991 (Re.2002) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	8.64	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.02	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.042	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.24	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	11.8	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	< 0.02	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.08	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/02

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL/PLPL180226053**

Issue Date : **06/03/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2025-2026/307 DATE:28.10.2026

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	10	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.6	IS:3025 (P-45) 1993 Edition 2.1 (2002-03) Flame Photometry Method
25	COD	mg/L	7	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	2	IS:3025 (P-44) 1993 (Re.2002) Edi.2.1
27	Temperature	°C	29	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.9	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.76	IS:3025 (P-34) 1988 (Re.2002)
30	Phosphate as PO ₄	mg/L	0.86	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	87	IS:3025 (P-23) 1986 (Re.2002)
32	P Alkalinity as CaCO ₃	mg/L	6	IS:3025 (P-23) 1986 (Re.2002)
33	Ammonia as NH ₃	mg/L	0.80	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	158	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 002 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	70	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	280	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180226061 Issue Date : 06/03/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/02/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/02/2018	Lab ID : PLPL/180226061
Packing/ Seal : Sealed	Date of Completion : 06/03/2018
Date of Starting of Test : 26/02/2018	Sample Identification : SW-9 At D/S of discharge of distillery[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.41	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	29.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	264	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	51	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	176	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	70	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	22.9	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	22	IS:3025 (P-40) 1991 (Re.2002) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	3.6	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	<0.03	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.11	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.62	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.02	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	14.6	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.08	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.1	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL/180226061**

Issue Date : **06/03/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	14.4	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.2	IS:3025 (P-45) 1993 Edition 2.1 (2002-03) Flame Photometry Method
25	COD	mg/L	12	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	5	IS:3025 (P-44) 1993 (Re.2002) Edi.2.1
27	Temperature	°C	29.2	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.52	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.41	IS:3025 (P-34) 1988 (Re.2002)
30	Phosphate as PO ₄	mg/L	0.65	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	78	IS:3025 (P-23) 1986 (Re.2002)
32	P Alkalinity as CaCO ₃	mg/L	15	IS:3025 (P-23) 1986 (Re.2002)
33	Ammonia as NH ₃	mg/L	0.98	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	152	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	33	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180226055 Issue Date : 06/03/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/02/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/02/2018	Lab ID : PLPL/180226055
Packing/ Seal : Sealed	Date of Completion : 06/03/2018
Date of Starting of Test : 26/02/2018	Sample Identification : SW-3 Surat Beverages[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.02	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	33	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	358	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	46	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	239	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	79	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	36	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.3	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	22	IS:3025 (P-40) 1991 (Re.2002) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	6.4	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.04	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.16	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.24	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	23.8	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	< 0.02	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.06	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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Customer's Name and Address :

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M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL/180226055**

Issue Date : **06/03/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	14	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	3	IS:3025 (P-45) 1993 Edition 2.1 (2002-03) Flame Photometry Method
25	COD	mg/L	10	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	3	IS:3025 (P-44) 1993 (Re.2002) Edi.2.1
27	Temperature	°C	28.4	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.4	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.7	IS:3025 (P-34) 1988 (Re.2002)
30	Phosphate as PO ₄	mg/L	0.84	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	90	IS:3025 (P-23) 1986 (Re.2002)
32	P Alkalinity as CaCO ₃	mg/L	< 0.5	IS:3025 (P-23) 1986 (Re.2002)
33	Ammonia as NH ₃	mg/L	1.2	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	216	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	120	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	430	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180226056 Issue Date : 06/03/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/02/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/02/2018	Lab ID : PLPL/180226056
Packing/ Seal : Sealed	Date of Completion : 06/03/2018
Date of Starting of Test : 26/02/2018	Sample Identification : SW-4 Madhuban Dem[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.22	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	39	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	270	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	33	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	162	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	74	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	26.9	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	14	IS:3025 (P-40) 1991 (Re.2002) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	9.36	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.02	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.09	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.28	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	10.3	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.03	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.06	APHA (22 nd Edi) 4500 F D SPANDS Method

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL/180226056**

Issue Date : **06/03/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	7.1	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.2	IS:3025 (P-45) 1993 Edition 2.1 (2002-03) Flame Photometry Method
25	COD	mg/L	5	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	2	IS:3025 (P-44) 1993 (Re.2002) Edi.2.1
27	Temperature	°C	28.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.28	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	0.81	IS:3025 (P-34) 1988 (Re.2002)
30	Phosphate as PO ₄	mg/L	0.29	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	76	IS:3025 (P-23) 1986 (Re.2002)
32	P Alkalinity as CaCO ₃	mg/L	< 0.5	IS:3025 (P-23) 1986 (Re.2002)
33	Ammonia as NH ₃	mg/L	0.52	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	137	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	84	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	210	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180226057 Issue Date : 06/03/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/02/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/02/2018	Lab ID : PLPL/180226057
Packing/ Seal : Sealed	Date of Completion : 06/03/2018
Date of Starting of Test : 26/02/2018	Sample Identification : SW-5 Naroli Bridge#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.31	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	36.8	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	296.0	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	40.0	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	172.0	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	92.0	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	13.0	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	26.0	IS:3025 (P-40) 1991 (Re.2002) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	6.4	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.02	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.03	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	< 0.012	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.03	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	20.0	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	< 0.02	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.02	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Page: 2 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. :	PLPL/180226057
	Issue Date :	06/03/2018
	Customer's Ref. :	W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	12.1	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	4.2	IS:3025 (P-45) 1993 Edition 2.1 (2002-03) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2002) Edi.2.1
27	Temperature	°C	29.4	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.3	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.20	IS:3025 (P-34) 1988 (Re.2002)
30	Phosphate as PO ₄	mg/L	0.78	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	72.0	IS:3025 (P-23) 1986 (Re.2002)
32	P Alkalinity as CaCO ₃	mg/L	4.0	IS:3025 (P-23) 1986 (Re.2002)
33	Ammonia as NH ₃	mg/L	0.82	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	140.0	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	46.0	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	170.0	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180226058 Issue Date : 06/02/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/02/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/02/2018	Lab ID : PLPL/180226058
Packing/ Seal : Sealed	Date of Completion : 06/02/2018
Date of Starting of Test : 26/02/2018	Sample Identification : SW-6 Namdha[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.46	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	41.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	4750	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	72	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	3040	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	610	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	1580	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	110	IS:3025 (P-40) 1991 (Re.2002) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	80.4	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.03	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.012	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.045	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.056	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.065	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	402	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.74	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.05	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL/180226058**Issue Date : **06/02/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	710	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	35	IS:3025 (P-45) 1993 Edition 2.1 (2002-02) Flame Photometry Method
25	COD	mg/L	48	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	12	IS:3025 (P-44) 1993 (Re.2002) Edi.2.1
27	Temperature	°C	29.9	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.31	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	4.9	IS:3025 (P-34) 1988 (Re.2002)
30	Phosphate as PO ₄	mg/L	0.84	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	110	IS:3025 (P-23) 1986 (Re.2002)
32	P Alkalinity as CaCO ₃	mg/L	6	IS:3025 (P-23) 1986 (Re.2002)
33	Ammonia as NH ₃	mg/L	4.4	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	2510	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	140	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	280	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180226059 Issue Date : 06/03/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample	: Surface water	Quantity/No. of Samples	: 12 Lit/One
Sampling By	: Pollucon Laboratories Pvt. Ltd.		
Sampling Date	: 25/02/2018	Protocol (Purpose)	: Analysis of Surface water sample
Sample Receipt Date	: 26/02/2018	Lab ID	: PLPL/180226059
Packing/ Seal	: Sealed	Date of Completion	: 06/03/2018
Date of Starting of Test	: 26/02/2018	Sample Identification	: SW-7 Zari Causeway[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.25	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	17.8	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	10794	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	94	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	7210	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	2010	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	2640	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	270	IS:3025 (P-40) 1991 (Re.2002) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	320.4	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.016	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.44	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.02	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	1480	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.74	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.6	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....



H. T. Shah
Lab Manager




Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180226059
	Issue Date : 06/03/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	1250	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	75	IS:3025 (P-45) 1993 Edition 2.1 (2002-03) Flame Photometry Method
25	COD	mg/L	68	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	20	IS:3025 (P-44) 1993 (Re.2002) Edi.2.1
27	Temperature	°C	28.8	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.6	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	5.6	IS:3025 (P-34) 1988 (Re.2002)
30	Phosphate as PO ₄	mg/L	1.84	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	180	IS:3025 (P-23) 1986 (Re.2002)
32	P Alkalinity as CaCO ₃	mg/L	50	IS:3025 (P-23) 1986 (Re.2002)
33	Ammonia as NH ₃	mg/L	3.4	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	6130	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	70	
51	Total Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180226060 Issue Date : 06/03/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/02/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/02/2018	Lab ID : PLPL/180226060
Packing/ Seal : Sealed	Date of Completion : 06/03/2018
Date of Starting of Test : 26/02/2018	Sample Identification : SW-8 Moti Daman Jetty[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.15	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	40.9	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	28426	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	104	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	19210	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	3240	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	12599	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	250	IS:3025 (P-40) 1991 (Re.2002) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	627.6	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.04	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.11	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.34	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	0.09	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	<0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	<0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	2040	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.85	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.95	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL/180226060**

Issue Date : **06/03/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	6310	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	275	IS:3025 (P-45) 1993 Edition 2.1 (2002-03) Flame Photometry Method
25	COD	mg/L	156	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	48	IS:3025 (P-44) 1993 (Re.2002) Edi.2.1
27	Temperature	°C	29	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.51	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.7	IS:3025 (P-34) 1988 (Re.2002)
30	Phosphate as PO ₄	mg/L	1.48	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	240	IS:3025 (P-23) 1986 (Re.2002)
32	P Alkalinity as CaCO ₃	mg/L	60	IS:3025 (P-23) 1986 (Re.2002)
33	Ammonia as NH ₃	mg/L	2.1	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	Mg/L	16710	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	mg/L	220	APHA(22 nd Edi)9221-E & C
51	Total Coliform	mg/L	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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- ISO 9001 : 2008

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180226061 Issue Date : 06/03/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/02/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/02/2018	Lab ID : PLPL/180226061
Packing/ Seal : Sealed	Date of Completion : 06/03/2018
Date of Starting of Test : 26/02/2018	Sample Identification : SW-9 At D/S of discharge of distillery[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.3	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	22.9	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	31910	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	136	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	21410	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	4980	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	11972	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	48	IS:3025 (P-40) 1991 (Re.2002) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	907	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	0.01	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.98	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	1480	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.26	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.45	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180226061 Issue Date : 06/03/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	8100	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	300	IS:3025 (P-45) 1993 Edition 2.1 (2002-03) Flame Photometry Method
25	COD	mg/L	44	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	14	IS:3025 (P-44) 1993 (Re.2002) Edi.2.1
27	Temperature	°C	29.1	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.41	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.3	IS:3025 (P-34) 1988 (Re.2002)
30	Phosphate as PO ₄	mg/L	0.74	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	192	IS:3025 (P-23) 1986 (Re.2002)
32	P Alkalinity as CaCO ₃	mg/L	30	IS:3025 (P-23) 1986 (Re.2002)
33	Ammonia as NH ₃	mg/L	3.2	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	18626	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	70	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180326014 Issue Date : 06/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/03/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/03/2018	Lab ID : PLPL/180326014
Packing/ Seal : Sealed	Date of Completion : 06/04/2018
Date of Starting of Test : 26/03/2018	Sample Identification : SW-1 Vapi Weir[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.56	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	12.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	207	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	72	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	158	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	89	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	14.6	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	17.8	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	10.68	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.008	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.06	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.024	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	13.49	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.03	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	< 0.01	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL/180326014**Issue Date : **06/04/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	6.56	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	1.4	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	< 0.15	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.06	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.33	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	102	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	12	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.41	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	132	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	170	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	240	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180326015 Issue Date : 06/04/2018 Customer's Ref. : W.O.NO.-PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	---

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/03/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/03/2018	Lab ID : PLPL/180326015
Packing/ Seal : Sealed	Date of Completion : 06/04/2018
Date of Starting of Test : 26/03/2018	Sample Identification : SW-2 Lavacha Temple[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.92	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	13.6	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	247	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	42	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	188	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	88	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	17.9	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	4.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	18	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	10.32	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.012	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.25	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.03	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	11.4	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.022	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	< 0.01	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL/180326015**

Issue Date : **06/04/2018**

Customer's Ref. : W.O.NO.-PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	8.98	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	1.5	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	9	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	2	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	28.3	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	< 0.15	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.62	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.23	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	90	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	10	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.18	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	160	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	79	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180326016 Issue Date : 06/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/03/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/03/2018	Lab ID : PLPL/180326016
Packing/ Seal : Sealed	Date of Completion : 06/04/2018
Date of Starting of Test : 26/03/2018	Sample Identification : SW-3 Surat Beverages[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.8	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	13.2	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	372	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	56	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	256	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	102	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	44.8	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	32	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	5.28	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.17	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.029	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	6.82	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.03	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	< 0.01	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

**H. T. Shah
Lab Manager****Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL/180326016**Issue Date : **06/04/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	10	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	8	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	2	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	29	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	< 0.15	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.4	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.35	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	82	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	8	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	0.88	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	225	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	94	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180326017 Issue Date : 06/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/03/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/03/2018	Lab ID : PLPL/180326017
Packing/ Seal : Sealed	Date of Completion : 06/04/2018
Date of Starting of Test : 26/03/2018	Sample Identification : SW-4 Madhuban Dem[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.85	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	27.2	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	240	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	26	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	148	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	56	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	15.9	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	17.2	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	5.74	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.099	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.031	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	6.86	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	< 0.02	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	< 0.01	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

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M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL/180326017**

Issue Date : **06/04/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	8.06	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	3	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	< 0.15	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.57	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.18	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	92	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	10	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	0.92	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	110	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	33	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180326018 Issue Date : 06/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/03/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/03/2018	Lab ID : PLPL/180326018
Packing/ Seal : Sealed	Date of Completion : 06/04/2018
Date of Starting of Test : 26/03/2018	Sample Identification : SW-5 Naroli Bridge#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.14	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	15.9	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	269.0	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	28.0	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	184.0	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	74.0	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	19.0	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	19.0	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	5.9	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.51	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	10.8	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.1	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	< 0.01	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Page: 2 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180326018 Issue Date : 06/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	5.7	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	0.7	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	10.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	3.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	29.0	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.4	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.46	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.32	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	86.0	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	8.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.2	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	128.0	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	49.0	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	130.0	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180326019 Issue Date : 06/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/03/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/03/2018	Lab ID : PLPL/180326019
Packing/ Seal : Sealed	Date of Completion : 06/04/2018
Date of Starting of Test : 26/03/2018	Sample Identification : SW-6 Namdha[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.01	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	26.7	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	1427	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	58	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	992	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	248	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	347	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.0	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	51.2	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	28.8	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.015	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.63	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	0.018	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	142	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.08	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.15	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL/180326019**

Issue Date : **06/04/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	287	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	7.9	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	53	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	15	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.2	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.5	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	10.08	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.33	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	158	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	26	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	7.45	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	840	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	>1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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- ISO 14001 : 2004
- OHSAS 18001 : 2007
- ISO 9001 : 2008

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180326020 Issue Date : 06/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/03/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/03/2018	Lab ID : PLPL/180326020
Packing/ Seal : Sealed	Date of Completion : 06/04/2018
Date of Starting of Test : 26/03/2018	Sample Identification : SW-7 Zari Causeway#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.92	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	47.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	2833	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	68	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	1976	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	424	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	839	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	62.4	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	64.32	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.012	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.03	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.14	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.53	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.073	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	219.8	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.11	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.119	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Page: 2 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL/180326020**Issue Date : **06/04/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	506	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	16	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	74	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	28	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	29.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.16	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	14.11	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.37	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	90	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	28	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	11.52	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	1710	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	49	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	170	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180326021 Issue Date : 06/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/03/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/03/2018	Lab ID : PLPL/180326021
Packing/ Seal : Sealed	Date of Completion : 06/04/2018
Date of Starting of Test : 26/03/2018	Sample Identification : SW-8 Moti Daman Jetty#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.71	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	36.1	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	22127	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	88	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	15484	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	2600	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	7575	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	216	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	494	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.028	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.022	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.073	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.76	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.178	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	<0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	<0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	1160	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.22	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.48	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Page: 2 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180326021 Issue Date : 06/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	4894	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	118	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	378	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	108	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.16	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	7.0	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.32	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	154	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	50	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	5.33	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	Mg/L	12960	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	140	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180326022 Issue Date : 06/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 25/03/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 26/03/2018	Lab ID : PLPL/180326022
Packing/ Seal : Sealed	Date of Completion : 06/04/2018
Date of Starting of Test : 26/03/2018	Sample Identification : SW-9 At D/S of discharge of distillery[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.0	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	15	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	19040	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	78	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	9516	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	1664	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	4718	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	130	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	321.36	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.014	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.016	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.024	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.22	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	0.11	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	1610	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.60	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.64	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

Customer's Name and Address :

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**

Test Report No. : **PLPL/180130025**

Issue Date : **06/04/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	2390	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	100	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	32	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	9	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.29	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	10.4	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.21	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	174	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	35	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	6.8	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	7901	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	140	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

H. T. Shah
Lab Manager



Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180410028 Issue Date : 20/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 09/04/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 10/04/2018	Lab ID : PLPL180410028
Packing/ Seal : Sealed	Date of Completion : 20/04/2018
Date of Starting of Test : 10/04/2018	Sample Identification : SW-1 Vapi Weir#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.6	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	15.6	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	290	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	32	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	182	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	102	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	42	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	21.1	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	11.8	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.066	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.11	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.0005	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	12.6	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.16	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.12	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Macky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL180410028**
Issue Date : **20/04/2018**
Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	8.6	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	1.8	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	28	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	6	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	32.1	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.33	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	0.84	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.06	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	38	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	2	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	0.62	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	148	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	<0.1	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180410028 Issue Date : 20/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 09/04/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 10/04/2018	Lab ID : PLPL180410028
Packing/ Seal : Sealed	Date of Completion : 20/04/2018
Date of Starting of Test : 10/04/2018	Sample Identification : SW-2 Lavacha Temple[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.82	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	23.8	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	336	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	16	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	214	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	75	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	30.1	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	4.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	20.8	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	5.52	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.04	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.28	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.80	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	19	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.22	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.35	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Micky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL180410028**Issue Date : **20/04/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	15	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.5	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	20	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	4	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.22	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.20	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.42	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	68	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	4	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.24	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	190	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	94	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

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**TEST REPORT**

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180410028 Issue Date : 20/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 09/04/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 10/04/2018	Lab ID : PLPL180410028
Packing/ Seal : Sealed	Date of Completion : 20/04/2018
Date of Starting of Test : 10/04/2018	Sample Identification : SW-3 Surat Beverages[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.2	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	8.3	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	258	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	38	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	168	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	91	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	22	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	16	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	12.44	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.02	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.12	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.41	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	5.8	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.21	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.3	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Micky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL180410028**
Issue Date : **20/04/2018**
Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	8.0	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	8.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	32	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.2	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	0.80	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.02	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	98	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	4.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	0.22	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	140	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Mack

Macky Suraliwala
Sr. Scientist

Nikita

Nikita Patel
Microbiologist

Arun

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180410032 Issue Date : 10/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 09/04/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 10/04/2018	Lab ID : PLPL180410028
Packing/ Seal : Sealed	Date of Completion : 20/04/2018
Date of Starting of Test : 10/04/2018	Sample Identification : SW-4 Madhuban Dem[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.52	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	21.8	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	198	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	20	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	120	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	60	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	16.3	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.0	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	14.1	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	6.5	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.33	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.52	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	4.1	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.41	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.18	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Macky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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Navjivan Circle,Udhana Magdalla Road, Surat-395007, Gujarat, India.

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL180410028**
Issue Date : **20/04/2018**
Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	12.3	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	8.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	6.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	2.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	33	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.40	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.40	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.36	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	64	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	8.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	0.7	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	104	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	72	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Micky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180410028 Issue Date : 20/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 09/04/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 10/04/2018	Lab ID : PLPL180410028
Packing/ Seal : Sealed	Date of Completion : 20/04/2018
Date of Starting of Test : 10/04/2018	Sample Identification : SW-5 Naroli Bridge#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.50	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	14.3	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	258	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	58	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	162	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	96	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	20.2	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	3.9	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	14.8	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	9.36	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.36	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.41	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	7.4	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.31	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.21	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Micky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL180410028**Issue Date : **20/04/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	11.9	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	3.9	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	23	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	5	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	33	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.65	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	0.61	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.48	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	52	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	5.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	0.39	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	122	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180410028 Issue Date : 20/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 09/04/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 10/04/2018	Lab ID : PLPL180410028
Packing/ Seal : Sealed	Date of Completion : 20/04/2018
Date of Starting of Test : 10/04/2018	Sample Identification : SW-6 Namdha[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.46	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	6.82	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	1368	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	38	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	868	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	232	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	288	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	3.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	46.8	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	27.6	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.31	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.26	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.0015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	138	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.11	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.48	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Macky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL180410028**
Issue Date : **20/04/2018**
Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	210	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	8.1	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	18	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	3.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	32.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.42	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.2	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.53	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	101	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	12	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	2.8	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	721	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	18	
50	Fecal Coliform	MPN/100ml	120	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	280	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Micky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180410028 Issue Date : 20/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 09/04/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 10/04/2018	Lab ID : PLPL180410028
Packing/ Seal : Sealed	Date of Completion : 20/04/2018
Date of Starting of Test : 10/04/2018	Sample Identification : SW-7 Zari Causeway#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.52	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	7.6	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	1982	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	59	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	1180	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	408	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	580	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	70.1	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	55.92	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.48	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.98	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	110.4	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.11	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.22	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Micky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

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Lab Manager (Q)

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- ISO 9001 : 2008

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180410028 Issue Date : 20/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	260	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	10.3	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	90	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	21	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	32.8	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.42	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	4.30	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.92	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	122	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	18	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	6.02	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	910	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	120	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	280	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Mack

Macky Suraliwala
Sr. Scientist

Nikita

Nikita Patel
Microbiologist

Arun

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180410028 Issue Date : 20/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 09/04/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 10/04/2018	Lab ID : PLPL180410028
Packing/ Seal : Sealed	Date of Completion : 20/04/2018
Date of Starting of Test : 10/04/2018	Sample Identification : SW-8 Moti Daman Jetty#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.28	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	15.3	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	32910	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	89	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	25382	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	2998	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	7832	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.0	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	238	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	596	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	<0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.38	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	1.14	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	<0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	<0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	1781	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.98	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.41	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Macky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180410028 Issue Date : 20/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	4330	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	131	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	94	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	24	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.3	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.68	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.2	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.88	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	144	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	6.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	4.9	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	Mg/L	20988	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	84	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	210	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Mack

Macky Suraliwala
Sr. Scientist

Nikita

Nikita Patel
Microbiologist

Arun

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180410028 Issue Date : 20/04/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 09/04/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 10/04/2018	Lab ID : PLPL180410028
Packing/ Seal : Sealed	Date of Completion : 20/04/2018
Date of Starting of Test : 10/04/2018	Sample Identification : SW-9 At D/S of discharge of distillery[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.19	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	13.98	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	16936	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	90	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	11008	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	2998	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	5582	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	7.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	172	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	664.8	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.16	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.38	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	698	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.34	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.26	APHA (22 nd Edi) 4500 F D SPANDS Method

ontinue....

Micky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL180410028**
Issue Date : **20/04/2018**
Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	3600	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	99	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	40	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	12	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	32.3	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.72	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	6.4	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.62	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	123	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	3.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.98	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	8906	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Ref: IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-E & C
51	Total Coliform	MPN/100ml	1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Mack

Macky Suraliwal
Sr. Scientist

Nikita

Nikita Patel
Microbiologist

Arun

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180607003 Issue Date : 18/06/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 06/06/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 07/06/2018	Lab ID : PLPL180607003
Packing/ Seal : Sealed	Date of Completion : 18/06/2018
Date of Starting of Test : 07/06/2018	Sample Identification : SW-1 Vapi Weir[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.12	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	7.42	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	369	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	64	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	254	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	114	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	50.98	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.7	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	31.2	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	8.64	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.31	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.44	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	9.4	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	< 0.01	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.23	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Macky Suraliwala
Sr. Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**
Test Report No. : **PLPL180607003**Issue Date : **18/06/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	15.5	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	3.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.8	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.17	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.60	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.46	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	74	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	10	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.28	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	218	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.1	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

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Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

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**TEST REPORT**

QR/5.10/01

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Customer's Name and Address :

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL180607004**Issue Date : **18/06/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

Description of Sample : **Surface water** Quantity/No. of Samples : **12 Lit/One**
 Sampling By : **Pollucon Laboratories Pvt. Ltd.**
 Sampling Date : **06/06/2018** Protocol (Purpose) : **Analysis of Surface water sample**
 Sample Receipt Date : **07/07/2018** Lab ID : **PLPL180607004**
 Packing/ Seal : **Sealed** Date of Completion : **18/06/2018**
 Date of Starting of Test : **07/07/2018** Sample Identification : **SW-2 Lavacha Temple[#]**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.04	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	15.2	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	331	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	39	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	223	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	110	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	20.99	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	29.6	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	7.68	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.24	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.46	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	15.6	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.12	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.18	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL180607004**Issue Date : **18/06/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	10	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	3.1	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.42	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.90	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.48	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	118	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	14	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	2.10	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	191	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180607005
	Issue Date : 18/06/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 06/06/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 07/06/2018	Lab ID : PLPL180607005
Packing/ Seal : Sealed	Date of Completion : 18/06/2018
Date of Starting of Test : 07/06/2018	Sample Identification : SW-3 Surat Beverages[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.53	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	11	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	301	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	52	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	198	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	111	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	20.99	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.3	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	28	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	9.61	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.015	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.32	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.48	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.018	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	18	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.16	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.21	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

**Macky Suraliwala
Sr. Scientist**

**Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL180607005**Issue Date : **18/06/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	5.0	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	1.5	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	32.2	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.94	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.81	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.49	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	112	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	12	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.52	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	173	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	84	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	210	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180607006
	Issue Date : 18/06/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 06/06/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 07/06/2018	Lab ID : PLPL180607006
Packing/ Seal : Sealed	Date of Completion : 18/06/2018
Date of Starting of Test : 07/06/2018	Sample Identification : SW-4 Madhuban Dem[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.03	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	31.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	290	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	18	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	157	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	90	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	19	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	22	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	5.76	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.01	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.03	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.20	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.93	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.02	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	12.9	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.19	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.058	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**
Test Report No. : **PLPL180607006**Issue Date : **18/06/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	9.0	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.6	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	32.1	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.32	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.94	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.2	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	80	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	5.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	2.1	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	163	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	46	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	170	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

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Customer's Name and Address :

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL180607007**Issue Date : **18/06/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

Description of Sample : **Surface water** Quantity/No. of Samples : **12 Lit/One**
 Sampling By : **Pollucon Laboratories Pvt. Ltd.**
 Sampling Date : **06/06/2018** Protocol (Purpose) : **Analysis of Surface water sample**
 Sample Receipt Date : **07/06/2018** Lab ID : **PLPL180607007**
 Packing/ Seal : **Sealed** Date of Completion : **18/06/2018**
 Date of Starting of Test : **07/06/2018** Sample Identification : **SW-5 Naroli Bridge[#]**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.24	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	17.2	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	257	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	52	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	166	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	77	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	11.99	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	20.7	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	5.76	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.02	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	0.06	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.26	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.32	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.0015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	11.2	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.2	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.28	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**

Test Report No. : **PLPL180607007**

Issue Date : **18/06/2018**

Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	6.1	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	12	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	4.3	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.24	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.56	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.26	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	82	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	10	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	0.91	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	150	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	70	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwala
Sr. Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180607008
	Issue Date : 18/06/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 06/06/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 07/06/2018	Lab ID : PLPL180607008
Packing/ Seal : Sealed	Date of Completion : 18/06/2018
Date of Starting of Test : 07/06/2018	Sample Identification : SW-6 Namdha[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.12	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	38.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	5042	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	51	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	3344	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	704	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	1419	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	4.6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	119	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	95	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	0.09	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.23	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.32	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.0015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	418	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.32	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.65	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

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TEST REPORT

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Customer's Name and Address :

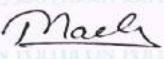
Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180607008 Issue Date : 18/06/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	756	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	42	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	58	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	18	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31.8	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.99	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	5.36	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	2.62	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	184	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	30	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	3.9	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	2604	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	0.13	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	0.08	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	0.04	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	12	
50	Fecal Coliform	MPN/100ml	49	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	170	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.


Macky Suraliwala
 Sr. Scientist


Dr. Arun Bajpai
 Lab Manager (Q)

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180607009 Issue Date : 18/06/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 06/06/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 07/06/2018	Lab ID : PLPL180607009
Packing/ Seal : Sealed	Date of Completion : 18/06/2018
Date of Starting of Test : 07/06/2018	Sample Identification : SW-7 Zari Causeway#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.1	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	24.6	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	8947	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	98	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	5972	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	1092	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	3049	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	3.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	160	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	166	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.06	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.05	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.39	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	1.48	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.062	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	0.006	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	1306	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.46	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.88	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Macky Suraliwala
Sr. Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL180607009**Issue Date : **18/06/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	1660	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	70	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	94	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	22	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	29.8	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.94	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	4.80	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.7	APHA 4500-P-C (Vanadomolybdophosthoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	164	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	40	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	2.90	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	4613	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180607010
	Issue Date : 18/06/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample	: Surface water	Quantity/No. of Samples	: 12 Lit/One
Sampling By	: Pollucon Laboratories Pvt. Ltd.		
Sampling Date	: 06/06/2018	Protocol (Purpose)	: Analysis of Surface water sample
Sample Receipt Date	: 07/06/2018	Lab ID	: PLPL180607010
Packing/ Seal	: Sealed	Date of Completion	: 18/06/2018
Date of Starting of Test	: 07/06/2018	Sample Identification	: SW-8 Moti Daman Jetty[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	6.92	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	136	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	59212	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	132	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	39736	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	4900	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	13645	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	4.6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	328	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	979	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.16	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	0.14	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.29	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	1.32	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	1.86	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.11	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	0.016	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	0.0012	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	0.008	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	3240	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.32	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	1.12	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

**Macky Suraliwala
Sr. Scientist**

**Dr. Arun Bajpai
Lab Manager (Q)**

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- OHSAS 18001 : 2007
- ISO 9001 : 2008

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**

Test Report No. : **PLPL180607010**

Issue Date : **18/06/2018**

Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	8850	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	350	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	120	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	26	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.49	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.36	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.48	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	231	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	10	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.3	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	Mg/L	32118	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	0.32	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	0.016	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	0.028	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	mg/L	33	APHA(22 nd Edi)9221-C & E
51	Total Coliform	mg/L	220	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwala
Sr. Scientist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180607011 Issue Date : 18/06/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 06/06/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 07/06/2018	Lab ID : PLPL180607011
Packing/ Seal : Sealed	Date of Completion : 18/06/2018
Date of Starting of Test : 07/06/2018	Sample Identification : SW-9 At D/S of discharge of distillery#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.4	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	27.5	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	39705	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	69	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	26688	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	3200	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	9397	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	4.1	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	288	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	595.2	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.21	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	0.06	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.21	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	1.16	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	1.66	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.18	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	0.012	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	0.0006	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	0.002	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	1710	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.75	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	1.3	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

**Macky Suraliwala
Sr. Scientist**

**Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL180607011**Issue Date : **18/06/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	6950	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	170	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	38	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	12	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31.2	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.84	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	11.2	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.96	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	140	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	20	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	4.9	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	17946	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	0.16	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	0.12	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	14	
50	Fecal Coliform	MPN/100ml	46	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	170	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180607012 Issue Date : 18/06/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 06/06/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 07/06/2018	Lab ID : PLPL180607012
Packing/ Seal : Sealed	Date of Completion : 18/06/2018
Date of Starting of Test : 07/06/2018	Sample Identification : SW-10 Pataliya Bridge(Kolak)#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.3	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	15.6	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	990	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	51	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	712	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	246	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	147.95	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	56	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	25.44	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.01	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.41	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.76	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	58	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.13	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.72	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL180607012**Issue Date : **18/06/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	160	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	10	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	56	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	18	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	32.4	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.98	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.99	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.76	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	220	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	28	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.8	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	540	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180607013 Issue Date : 18/06/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 06/06/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 07/06/2018	Lab ID : PLPL180607013
Packing/ Seal : Sealed	Date of Completion : 18/06/2018
Date of Starting of Test : 07/06/2018	Sample Identification : SW-11 Koteswar Temple (Kolak)#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.56	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	9.2	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	540	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	40	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	374	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	170	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	66.97	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	46.4	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	12.96	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.36	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.48	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	24	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.11	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	1.1	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL180607013**Issue Date : **18/06/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	36	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	8.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	54	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	14	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	32.3	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.72	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	7.4	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.96	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	156	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	10.8	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.42	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	296	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	79	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	240	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

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Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180607014 Issue Date : 18/06/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 06/06/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 07/06/2018	Lab ID : PLPL180607014
Packing/ Seal : Sealed	Date of Completion : 18/06/2018
Date of Starting of Test : 07/06/2018	Sample Identification : SW-12 N.H.8 (Kolak)#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.05	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	13.2	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	301	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	32	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	212	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	114	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	16.1	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	27.1	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	11.52	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.26	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.81	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	8.4	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.1	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.65	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Macky Suraliwala
Sr. Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL180607014**Issue Date : **18/06/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	12	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	16	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	3.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	32.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.2	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.6	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.71	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	110	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	14	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.1	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	152	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	210	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Macky Suraliwala
Sr. Scientist****Dr. Arun Bajpai
Lab Manager (Q)**

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180804001 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 03/08/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 04/08/2018	Lab ID : PLPL180804001
Packing/ Seal : Sealed	Date of Completion : 14/08/2018
Date of Starting of Test : 04/08/2018	Sample Identification : SW-1 Vapi Weir[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.07	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	58	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	284	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	30	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	184	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	78	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	22	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	20	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	6.72	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.16	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	11.2	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.07	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.12	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Macky Suraliwalla
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL180804001**

Issue Date : **14/08/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	11.58	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	0.9	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.2	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.42	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.90	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.64	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	86	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	12	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	128	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	82	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	70	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	280	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180804002 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.-PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	---

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 03/08/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 04/08/2018	Lab ID : PLPL/180804002
Packing/ Seal : Sealed	Date of Completion : 14/08/2018
Date of Starting of Test : 04/08/2018	Sample Identification : SW-2 Lavacha Temple[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.31	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	67	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	310	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	42	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	210	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	92	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	30	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.7	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	24.8	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	7.2	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.24	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	4.14	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.098	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.065	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Micky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL/180804002**Issue Date : **14/08/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	14.83	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	0.9	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.35	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.4	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.93	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	102	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	18	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	3.24	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	158	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	64	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180804003 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 03/08/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 04/08/2018	Lab ID : PLPL/180804003
Packing/ Seal : Sealed	Date of Completion : 14/08/2018
Date of Starting of Test : 04/08/2018	Sample Identification : SW-3 Surat Beverages[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.10	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	60	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	310	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	38	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	206	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	96	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	44	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.10	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	21.6	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	10.08	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.31	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	3.27	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.035	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.060	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Micky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL/180804003**

Issue Date : **14/08/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	14.97	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	0.7	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	11	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	4.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.4	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.18	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.82	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.72	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	90	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	12	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	3.69	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	150	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	84	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	210	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180804004 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 03/08/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 04/08/2018	Lab ID : PLPL/180804004
Packing/ Seal : Sealed	Date of Completion : 14/08/2018
Date of Starting of Test : 04/08/2018	Sample Identification : SW-4 Madhuban Dem[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.24	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	68	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	262	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	47	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	186	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	50	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	8.0	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.1	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	14.4	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	3.36	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.17	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	2.92	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.021	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.058	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Macky Suraliwalla
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL/180804004**

Issue Date : **14/08/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	22	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	0.7	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.8	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.12	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.98	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.76	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	76	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	26	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	3.96	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	130	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	46	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	170	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180804005 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 03/08/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 04/08/2018	Lab ID : PLPL/180804005
Packing/ Seal : Sealed	Date of Completion : 14/08/2018
Date of Starting of Test : 04/08/2018	Sample Identification : SW-5 Naroli Bridge#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.08	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	67	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	276	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	21	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	186	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	82	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	24	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	20	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	7.68	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.051	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.098	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	8.46	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.086	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.078	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Micky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180804005 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	11.95	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	0.8	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.7	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.13	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.75	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.68	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	90	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	14	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	3.19	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	140	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	49	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	130	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Mack

Macky Suraliwala
Sr. Scientist

Nikita

Nikita Patel
Microbiologist

Arun

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180804006 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	---

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 03/08/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 04/08/2018	Lab ID : PLPL180804006
Packing/ Seal : Sealed	Date of Completion : 14/08/2018
Date of Starting of Test : 04/08/2018	Sample Identification : SW-6 Namdha[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.83	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	45.89	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	288	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	20	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	420	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	110	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	164	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.1	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	29.6	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	8.64	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.046	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	5.26	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.12	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.11	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Macky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

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DD & DNH,
DAMAN.
Test Report No. : **PLPL180804006**Issue Date : **14/08/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	79.79	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.2	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.4	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.65	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	5.6	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.42	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	92	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	24	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	4.29	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	326	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	120	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	280	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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**TEST REPORT**

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180804007 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 03/08/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 04/08/2018	Lab ID : PLPL180804007
Packing/ Seal : Sealed	Date of Completion : 14/08/2018
Date of Starting of Test : 04/08/2018	Sample Identification : SW-7 Zari Causeway#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.93	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	51	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	547	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	24	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	383	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	118	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	98	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.1	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	25.6	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	12.96	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.22	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	9.2	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.2	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.27	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Micky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

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M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180804007 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	62	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.3	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	11	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	2.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.8	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.39	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	5.35	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.16	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	96	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	24	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	4.92	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	288	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	70	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180804008 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 03/08/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 04/08/2018	Lab ID : PLPL180804008
Packing/ Seal : Sealed	Date of Completion : 14/08/2018
Date of Starting of Test : 04/08/2018	Sample Identification : SW-8 Moti Daman Jetty[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.75	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	34.86	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	6180	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	88	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	4140	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	736	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	2089	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.7	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	70.4	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	134	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.025	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.3	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	89.04	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.42	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.49	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Micky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL180804008**

Issue Date : **14/08/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	1240	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	54	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	202	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	64	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.58	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.9	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.36	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	118	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	38	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	3.21	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	Mg/L	3368	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	APHA(22 nd Edi)9221-C & E
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	220	
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180804009 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 03/08/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 04/08/2018	Lab ID : PLPL180804009
Packing/ Seal : Sealed	Date of Completion : 14/08/2018
Date of Starting of Test : 04/08/2018	Sample Identification : SW-10 Pataliya Bridge(Kolak)#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.98	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	18.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	517	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	27	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	362	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	130	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	108	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	30	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	13.2	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.27	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	7.6	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.21	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.16	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Micky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180804009 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	---

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	50	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	1.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	48	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	14	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.9	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.26	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.35	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.84	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	130	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	20	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.1	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	264	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	34	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	170	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Mack

Macky Suraliwal
Sr. Scientist

Nikita

Nikita Patel
Microbiologist

Arun

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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- GPCB approved schedule II auditor
- ISO 14001 : 2004
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- ISO 9001 : 2008

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL180804010**Issue Date : **14/08/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : **Surface water** Quantity/No. of Samples : **12 Lit/One**
 Sampling By : **Pollucon Laboratories Pvt. Ltd.**
 Sampling Date : **03/08/2018** Protocol (Purpose) : **Analysis of Surface water sample**
 Sample Receipt Date : **04/08/2018** Lab ID : **PLPL180804010**
 Packing/ Seal : **Sealed** Date of Completion : **14/08/2018**
 Date of Starting of Test : **04/08/2018** Sample Identification : **SW-12 N.H.8 (Kolak)#**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.33	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	25.72	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	468	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	33	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	340	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	140	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	70	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	36	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	12	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.44	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	9.77	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.48	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.35	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Micky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL180804010**Issue Date : **14/08/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	35.54	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	0.8	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.44	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	15.8	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.19	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	138	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	26	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.46	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	270	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	970	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180804011 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 03/08/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 04//08/2018	Lab ID : PLPL180804011
Packing/ Seal : Sealed	Date of Completion : 14/08/2018
Date of Starting of Test : 04/08/2018	Sample Identification : SW-13- CETP O/L#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.49	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	17.98	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	16321	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	42	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	10802	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	4140	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	4373	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	1348	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	184	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.006	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.07	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.042	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	1.62	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.082	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	0.009	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.001	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	0.0008	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	910	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.34	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.5	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Macky Suraliwalla
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.

Test Report No. : **PLPL180804011**

Issue Date : **14/08/2018**

Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	2620	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	150	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	290	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	52	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	32.1	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.24	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	50.77	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	8.84	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	172	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	20	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	43.8	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	8820	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180804012 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	--

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 03/08/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 04/08/2018	Lab ID : PLPL180804012
Packing/ Seal : Sealed	Date of Completion : 14/08/2018
Date of Starting of Test : 04/08/2018	Sample Identification : SW 14 100 mtr. Down Strem From CETP#

RESULT TABLE

S.R. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.07	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	2.54	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	943	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	72	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	648	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	244	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	203	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	76.8	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	12.48	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.22	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	20.8	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.28	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.45	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Micky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL180804013**Issue Date : **14/08/2018**

Customer's Ref. : W.O.NO.-PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	44	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	3.8	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	18	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	5.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.18	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	9.8	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	7.2	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	100	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	30	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	7.6	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	539	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	> 1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL180804013 Issue Date : 14/08/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 03/08/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 04/08/2018	Lab ID : PLPL180804013
Packing/ Seal : Sealed	Date of Completion : 14/08/2018
Date of Starting of Test : 04/08/2018	Sample Identification : SW-15 – O/L of CHCL BHILAD[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.5	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	107	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	2863	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	86	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	1868	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	604	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	331	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	3.9	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	70.4	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	30.72	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	2.01	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	0.032	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	0.006	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	187	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.14	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.22	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Micky Suraliwal
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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- ISO 9001 : 2008

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.
Test Report No. : **PLPL180804013**Issue Date : **14/08/2018**

Customer's Ref. : W.O.NO.-PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	593	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	55	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	276	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	44	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.58	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	72.24	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	4.71	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	630	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	22	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	58.24	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	1444	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Macky Suraliwal
Sr. Scientist**Nikita Patel**
Microbiologist**Dr. Arun Bajpai**
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913001**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

Description of Sample : **Surface water** Quantity/No. of Samples : **12 Lit/One**
 Sampling By : **Pollucon Laboratories Pvt. Ltd.**
 Sampling Date : **12/09/2018** Protocol (Purpose) : **Analysis of Surface water sample**
 Sample Receipt Date : **13/09/2018** Lab ID : **PLP/L180913001**
 Packing/ Seal : **Sealed** Date of Completion : **24/09/2018**
 Date of Starting of Test : **13/09/2018** Sample Identification : **SW-1 Vapi Weir#**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.28	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	21.24	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	374	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	56	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	276	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	104	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	56	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	26.0	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	9.36	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.025	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.002	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.02	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.07	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.09	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	9.6	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	< 0.1	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.08	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913001**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	26	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	3.7	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	10	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	3.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.60	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.60	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.71	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	118	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	6.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.92	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	172	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	34	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.


Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180913002
	Issue Date : 24/09/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 12/09/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 13/09/2018	Lab ID : PLPL/180913002
Packing/ Seal : Sealed	Date of Completion : 24/09/2018
Date of Starting of Test : 13/09/2018	Sample Identification : SW-2 Lavacha Temple[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.42	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	28.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	385	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	39	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	241	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	117	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	52	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.9	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	32	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	8.80	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.016	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.19	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	18.6	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.075	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.12	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913002**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	18	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	1.4	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.49	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.10	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.38	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	122	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	10	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.7	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	210	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	41	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	240	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180913003
	Issue Date : 24/09/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 12/09/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 13/09/2018	Lab ID : PLPL/180913003
Packing/ Seal : Sealed	Date of Completion : 24/09/2018
Date of Starting of Test : 13/09/2018	Sample Identification : SW-3 Surat Beverages[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.42	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	28.84	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	371	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	36	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	275	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	118	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	64.0	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	16.2	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	18.6	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.075	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.062	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	18.4	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	< 0.02	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	< 0.005	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....


Dr. Maheshwari Solanki
Sr. Scientist


Nikita Patel
Microbiologist


Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913003**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	18	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.5	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.1	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.25	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.35	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.86	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	104	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	8.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.9	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	230	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	170	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	> 1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

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"Pollucon House", Plot No.5/6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180913004
	Issue Date : 24/09/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 12/09/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 13/09/2018	Lab ID : PLPL/180913004
Packing/ Seal : Sealed	Date of Completion : 24/09/2018
Date of Starting of Test : 13/09/2018	Sample Identification : SW-4 Madhuban Dem[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.21	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	19.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	276	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	23	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	192	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	76	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	30.0	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	9.8	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	11.4	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.08	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.10	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	5.1	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.10	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.08	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**

Test Report No. : **PLPL/180913004**

Issue Date : **24/09/2018**

Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	11	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	1.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	8.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	3.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.7	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.35	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.92	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.40	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	89	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	16	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	3.2	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	158	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	79	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180913005
	Issue Date : 24/09/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 12/09/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 13/09/2018	Lab ID : PLPL/180913005
Packing/ Seal : Sealed	Date of Completion : 24/09/2018
Date of Starting of Test : 13/09/2018	Sample Identification : SW-5 Naroli Bridge[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.86	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	22.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	217	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	90	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	148	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	90	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	21	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	18	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	10.8	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.09	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.28	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.0015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	16.1	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.12	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.10	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913005**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	15	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.3	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	10	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.1	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.28	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.57	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.72	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	70	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	14	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	2.3	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	121	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	> 1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180913006
	Issue Date : 24/09/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 12/09/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 13/09/2018	Lab ID : PLPL/180913006
Packing/ Seal : Sealed	Date of Completion : 24/09/2018
Date of Starting of Test : 13/09/2018	Sample Identification : SW-6 Namdha[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.55	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	35.2	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	1198	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	42	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	930	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	212	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	352	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	48.2	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	22.08	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.12	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.21	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	<0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.0015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	129	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.09	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.19	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913006**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	240	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	13	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	28	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	8.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.8	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.30	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	7.60	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.59	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	106	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	14	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	6.1	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	682	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	79	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.


Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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 Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com



TEST REPORT

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Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180913007
	Issue Date : 24/09/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 12/09/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 13/09/2018	Lab ID : PLPL/180913007
Packing/ Seal : Sealed	Date of Completion : 24/09/2018
Date of Starting of Test : 13/09/2018	Sample Identification : SW-7 Zari Causeway#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.02	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	11.2	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	1899	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	39	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	944	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	188	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	370	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	51.2	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	14.40	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.19	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.61	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	130	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.06	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.16	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913007**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	178	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	13	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	28	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	9.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.2	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	2.2	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	7.2	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.65	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	119	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	24	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	6.8	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	756	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	26	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	120	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180913008
	Issue Date : 24/09/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 12/09/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 13/09/2018	Lab ID : PLPL/180913008
Packing/ Seal : Sealed	Date of Completion : 24/09/2018
Date of Starting of Test : 13/09/2018	Sample Identification : SW-8 Moti Daman Jetty#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.31	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	24.6	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	15588	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	99	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	10922	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	1800	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	5698	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	144	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	345	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.10	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.14	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.124	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	<0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	<0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	987	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	1.2	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.28	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913008**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	3364	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	150	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	53	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	10	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.28	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	5.54	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	2.2	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	121	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	14	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	4.4	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	Mg/L	8820	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	130	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 1 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**
Test Report No. : **PLPL/180913009**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

Description of Sample	: Surface water	Quantity/No. of Samples	: 12 Lit/One
Sampling By	: Pollucon Laboratories Pvt. Ltd.		
Sampling Date	: 12/09/2018	Protocol (Purpose)	: Analysis of Surface water sample
Sample Receipt Date	: 13/09/2018	Lab ID	: PLPL/180913009
Packing/ Seal	: Sealed	Date of Completion	: 24/09/2018
Date of Starting of Test	: 13/09/2018	Sample Identification	: SW-9 At D/S of discharge of distillery[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.51	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	15.3	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	7650	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	75	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	5360	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	1200	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	2490	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	96	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	230	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.14	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.49	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.04	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	668	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.18	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.26	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180913009 Issue Date : 24/09/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	---

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	1740	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	150	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	44	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	12	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.3	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.38	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	6.15	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.59	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	108	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	6.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	4.8	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	4196	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	240	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.


Dr. Maheshwari Solanki
 Sr. Scientist


Nikita Patel
 Microbiologist


Dr. Arun Bajpai
 Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180913010
	Issue Date : 24/09/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 12/09/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 13/09/2018	Lab ID : PLPL/180913010
Packing/ Seal : Sealed	Date of Completion : 24/09/2018
Date of Starting of Test : 13/09/2018	Sample Identification : SW-10 Pataliya Bridge(Kolak)#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.52	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	9.3	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	627	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	14	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	445	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	152	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	114	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	40.1	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	12.48	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.13	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.41	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	35.5	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.14	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.19	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913010**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	59	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	4.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31.2	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.33	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.54	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.48	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	160	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	14	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	2.1	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	362	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	120	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	430	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180913011
	Issue Date : 24/09/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 12/09/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 13/09/2018	Lab ID : PLPL/180913011
Packing/ Seal : Sealed	Date of Completion : 24/09/2018
Date of Starting of Test : 13/09/2018	Sample Identification : SW-12 N.H.8 (Kolak)#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.84	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	14.2	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	621	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	11	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	404	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	210	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	129	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	44.0	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	24	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.05	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.27	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	13.2	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.12	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.16	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913011**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	59	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	3.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	13	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	2.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.38	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.86	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.64	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	144	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	8.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.0	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	246	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	210	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	> 1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

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Page: 1 of 2

Customer's Name and Address :

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913012**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

Description of Sample : **Surface water** Quantity/No. of Samples : **12 Lit/One**
 Sampling By : **Pollucon Laboratories Pvt. Ltd.**
 Sampling Date : **12/09/2018** Protocol (Purpose) : **Analysis of Surface water sample**
 Sample Receipt Date : **13/09/2018** Lab ID : **PLPL/180913012**
 Packing/ Seal : **Sealed** Date of Completion : **24/09/2018**
 Date of Starting of Test : **13/09/2018** Sample Identification : **SW-13- CETP O/L#**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.36	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	19.6	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	11730	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	80	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	8224	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	3200	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	3248	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	928	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	211	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.030	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.002	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.08	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.07	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.84	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	0.10	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	0.014	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	1935	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.61	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.39	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913012**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	1461	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	86	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	434	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	131	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.8	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.18	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	58.24	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.2	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	272	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	16	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	50.8	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	7210	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	170	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	240	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

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Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180913013
	Issue Date : 24/09/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 12/09/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 13/09/2018	Lab ID : PLPL/180913013
Packing/ Seal : Sealed	Date of Completion : 24/09/2018
Date of Starting of Test : 13/09/2018	Sample Identification : SW 14 100 mtr. Down Strem From CETP#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.98	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	1.62	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	1140	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	37	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	799	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	199	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	214	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.0	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	30.7	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	17.28	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.43	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.02	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	<0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	<0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	23.4	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.16	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.86	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913013**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	158	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	15	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	72	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	18	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.1	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.22	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	12.80	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.95	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	120	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	14	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	10.5	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	580	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.


Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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"Pollucon House", Plot No.5/6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
 Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

**TEST REPORT**

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Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/180913014
	Issue Date : 24/09/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 12/09/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 13/09/2018	Lab ID : PLPL/180913014
Packing/ Seal : Sealed	Date of Completion : 24/09/2018
Date of Starting of Test : 13/09/2018	Sample Identification : SW-15 – O/L of CHCL BHILAD#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.34	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	48	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	1748	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	53	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	1240	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	310	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	211	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	4.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	84.8	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	23.52	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.84	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.040	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	0.012	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	<0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	<0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	121	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.19	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.36	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/180913014**Issue Date : **24/09/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	170	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	3.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	183	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	38	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.96	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	36.2	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	3.2	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	368	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	12	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	25.2	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	870	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

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Page: 1 of 2

Customer's Name and Address :

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181016019**Issue Date : **26/10/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

Description of Sample : **Surface water** Quantity/No. of Samples : **12 Lit/One**
 Sampling By : **Pollucon Laboratories Pvt. Ltd.**
 Sampling Date : **15/10/2018** Protocol (Purpose) : **Analysis of Surface water sample**
 Sample Receipt Date : **16/10/2018** Lab ID : **PLPL/181016019**
 Packing/ Seal : **Sealed** Date of Completion : **26/10/2018**
 Date of Starting of Test : **16/10/2018** Sample Identification : **SW-1 Vapi Weir#**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.90	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	17.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	360	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	44	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	258	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	116	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	35	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	28	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	11.04	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.21	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	15.4	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.032	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.15	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181016019**Issue Date : **26/10/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	20	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	16	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	5.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.4	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.92	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.60	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.58	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	110	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	< 0.5	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	2.6	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	196	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	> 1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.


Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181016020
	Issue Date : 26/10/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 15/10/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 16/10/2018	Lab ID : PLPL/181016020
Packing/ Seal : Sealed	Date of Completion : 26/10/2018
Date of Starting of Test : 16/10/2018	Sample Identification : SW-2 Lavacha Temple[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.18	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	21.9	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	317	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	24	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	206	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	102	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	26	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	25	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	9.48	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.030	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.36	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	11.4	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.032	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.22	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181016020**Issue Date : **26/10/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	22	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	10	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	3.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.8	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.46	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.12	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.64	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	100	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	4.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	2.5	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	162	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	29	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	> 1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.


Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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"Pollucon House", Plot No.5/6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
 Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com



TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181016021
	Issue Date : 26/10/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 15/10/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 16/10/2018	Lab ID : PLPL/181016021
Packing/ Seal : Sealed	Date of Completion : 26/10/2018
Date of Starting of Test : 16/10/2018	Sample Identification : SW-3 Surat Beverages[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.62	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	19.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	351	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	49	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	243	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	106	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	40	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	24	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	11.04	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.099	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.084	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	11.4	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.070	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.22	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181016021**Issue Date : **26/10/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	10.6	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	0.30	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.5	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.26	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.80	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.39	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	122	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	6.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	2.56	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	195	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	>1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181016022
	Issue Date : 26/10/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 15/10/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 16/10/2018	Lab ID : PLPL/181016022
Packing/ Seal : Sealed	Date of Completion : 26/10/2018
Date of Starting of Test : 16/10/2018	Sample Identification : SW-4 Madhuban Dem[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.46	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	24.15	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	203	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	37	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	146	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	65	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	17.9	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	15.2	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	6.48	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.13	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	3.99	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.080	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.14	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....


Dr. Maheshwari Solanki
Sr. Scientist


Nikita Patel
Microbiologist


Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Page: 2 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181016022 Issue Date : 26/10/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	6.0	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	0.50	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.5	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.21	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	4.42	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.25	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	80	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	< 0.5	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	3.41	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	121	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	33	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.


Dr. Maheshwari Solanki
 Sr. Scientist


Nikita Patel
 Microbiologist


Dr. Arun Bajpai
 Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181016023
	Issue Date : 26/10/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 15/10/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 16/10/2018	Lab ID : PLPL/181016023
Packing/ Seal : Sealed	Date of Completion : 26/10/2018
Date of Starting of Test : 16/10/2018	Sample Identification : SW-5 Naroli Bridge[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.48	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	13.8	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	243	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	72	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	175	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	85	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	13	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	22	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	7.20	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.12	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.0015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	10.6	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.078	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	< 0.01	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....


Dr. Maheshwari Solanki
Sr. Scientist


Nikita Patel
Microbiologist


Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181016023**Issue Date : **26/10/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	10	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.44	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.08	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.42	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	86	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	10	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	2.80	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	136	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	1200	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	>1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181016024
	Issue Date : 26/10/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 15/10/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 16/10/2018	Lab ID : PLPL/181016024
Packing/ Seal : Sealed	Date of Completion : 26/10/2018
Date of Starting of Test : 16/10/2018	Sample Identification : SW-6 Namdha[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.44	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	27.5	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	3561	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	72	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	2564	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	516	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	1099	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.1	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	86.4	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	72	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.060	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.14	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.0015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	306	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.18	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.65	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181016024**Issue Date : **26/10/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	820	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	33	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	46	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	19	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.45	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	14.49	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.81	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	152	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	29	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	9.2	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	1880	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	880	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	>1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.


Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181016025
	Issue Date : 26/10/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 15/10/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 16/10/2018	Lab ID : PLPL/181016025
Packing/ Seal : Sealed	Date of Completion : 26/10/2018
Date of Starting of Test : 16/10/2018	Sample Identification : SW-7 Zari Causeway#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.48	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	20.9	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	5816	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	58	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	4288	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	780	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	1809	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	108	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	122	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.280	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.34	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	396	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.095	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.54	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

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Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181016025**Issue Date : **26/10/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	1370	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	40	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	50	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	14	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.8	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	10.35	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.84	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	156	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	36	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	8.13	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	3910	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	180	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	>1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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TEST REPORT

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Customer's Name and Address :

Page: 1 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181016026 Issue Date : 26/10/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	---

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 15/10/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 16/10/2018	Lab ID : PLPL/181016026
Packing/ Seal : Sealed	Date of Completion : 26/10/2018
Date of Starting of Test : 16/10/2018	Sample Identification : SW-8 Moti Daman Jetty#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.63	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	82.0	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	31320	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	162	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	22552	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	3980	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	11896	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.1	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	328	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	758	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.028	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.048	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.22	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	1.02	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	0.314	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	0.012	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	<0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	0.0018	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	1814	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.90	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.55	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**

Test Report No. : **PLPL/181016026**

Issue Date : **26/10/2018**

Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	7287	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	260	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	80	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	22	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.7	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.44	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	6.49	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.9	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	160	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	28	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	5.05	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	Mg/L	21180	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	94	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	210	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181016027 Issue Date : 26/10/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	---

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 15/10/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 16/10/2018	Lab ID : PLPL/181016027
Packing/ Seal : Sealed	Date of Completion : 26/10/2018
Date of Starting of Test : 16/10/2018	Sample Identification : SW-10 Pataliya Bridge(Kolak)#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.02	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	15.3	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	395	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	53	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	285	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	137	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	30	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	4.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	32	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	15.60	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.018	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	0.026	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.016	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.66	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.82	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.014	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	0.008	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	24.1	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.18	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.31	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

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Lab Manager (Q)

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**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181016027**Issue Date : **26/10/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	20.8	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	1.5	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	38	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	12	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.48	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.30	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.80	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	156	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	8.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	2.82	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	262	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	360	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

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"Pollucon House", Plot No.5/6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
Navjivan Circle,Udhana Magdalla Road, Surat-395007, Gujarat, India.

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181016028
	Issue Date : 26/10/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 15/10/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 16/10/2018	Lab ID : PLPL/181016028
Packing/ Seal : Sealed	Date of Completion : 26/10/2018
Date of Starting of Test : 16/10/2018	Sample Identification : SW-11 Koteswar Temple (Kolak)#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.32	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	24.68	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	705	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	24	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	508	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	162	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	48	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.3	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	40	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	14.86	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	0.016	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.06	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.21	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.18	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	20.6	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.095	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.33	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181016028**Issue Date : **26/10/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	40	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	10	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	38	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	9.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.52	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	6.20	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.86	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	320	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	6.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	3.88	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	472	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	110	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	620	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181016029
	Issue Date : 26/10/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 15/10/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 16/10/2018	Lab ID : PLPL/181016029
Packing/ Seal : Sealed	Date of Completion : 26/10/2018
Date of Starting of Test : 16/10/2018	Sample Identification : SW-12 N.H.8 (Kolak)#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.53	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	11.37	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	870	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	71	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	643	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	204	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	160	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	49.6	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	19.2	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.03	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.51	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.05	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	24.2	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.84	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.45	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181016029**Issue Date : **26/10/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	130	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	10	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	46	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	12	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.38	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	6.32	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.98	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	136	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	20	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	4.92	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	528	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	810	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	1400	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181117016 Issue Date : 27/11/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 16/11/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 17/11/2018	Lab ID : PLPL/181117016
Packing/ Seal : Sealed	Date of Completion : 27/11/2018
Date of Starting of Test : 17/11/2018	Sample Identification : SW-1 Vapi Weir#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.39	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	11.20	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	311	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	38	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	218	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	120	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	25	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.9	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	30.4	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	10.56	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.12	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.32	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	8.15	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	< 0.02	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.25	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181117016**Issue Date : **27/11/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	6.0	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	2.6	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	20	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	6.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	29.8	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.09	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.94	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.40	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	99	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	< 0.5	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.40	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	181	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	170	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

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Navjivan Circle,Udhana Magdalla Road, Surat-395007, Gujarat, India.

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181117017
	Issue Date : 27/11/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 16/11/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 17/11/2018	Lab ID : PLPL/181117017
Packing/ Seal : Sealed	Date of Completion : 27/11/2018
Date of Starting of Test : 17/11/2018	Sample Identification : SW-2 Lavacha Temple[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.70	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	13	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	256	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	33	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	170	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	98	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	17	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.1	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	27.2	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	7.2	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.108	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	< 0.012	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	7.83	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.038	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.15	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181117017**Issue Date : **27/11/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	8.6	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	3.8	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	12	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	4.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.1	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	1.10	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	3.16	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.52	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	92	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	< 1.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.92	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	134	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	280	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.


Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181117018
	Issue Date : 27/11/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 16/11/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 17/11/2018	Lab ID : PLPL/181117018
Packing/ Seal : Sealed	Date of Completion : 27/11/2018
Date of Starting of Test : 17/11/2018	Sample Identification : SW-3 Surat Beverages[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.66	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	19	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	240	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	37	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	172	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	89	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	19	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.0	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	24	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	6.96	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.214	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.34	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	10	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.100	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.15	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....


Dr. Maheshwari Solanki
Sr. Scientist


Nikita Patel
Microbiologist


Dr. Arun Bajpai
Lab Manager (Q)

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**

Test Report No. : **PLPL/181117018**

Issue Date : **27/11/2018**

Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	9.8	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	1.6	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	< 5.0	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	< 1.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.78	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.68	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.48	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	93	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	14	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.70	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	148	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	34	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181117019**Issue Date : **27/11/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

Description of Sample : **Surface water** Quantity/No. of Samples : **12 Lit/One**
 Sampling By : **Pollucon Laboratories Pvt. Ltd.**
 Sampling Date : **16/11/2018** Protocol (Purpose) : **Analysis of Surface water sample**
 Sample Receipt Date : **17/11/2018** Lab ID : **PLPL/181117019**
 Packing/ Seal : **Sealed** Date of Completion : **27/11/2018**
 Date of Starting of Test : **17/11/2018** Sample Identification : **SW-4 Madhuban Dem[#]**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.89	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	18	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	232	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	26	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	158	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	84	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	10	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.1	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	20.8	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	7.68	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.18	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.18	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	4.1	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.042	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.24	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181117019**Issue Date : **27/11/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	4.0	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	0.60	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	10	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	2.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.1	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.50	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	2.46	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.32	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	70	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	< 0.5	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	1.62	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	137	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	79	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	240	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

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Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181117020
	Issue Date : 27/11/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 16/11/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 17/11/2018	Lab ID : PLPL/181117020
Packing/ Seal : Sealed	Date of Completion : 27/11/2018
Date of Starting of Test : 17/11/2018	Sample Identification : SW-5 Naroli Bridge[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.28	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	33	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	289	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	44	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	190	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	110	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	8.0	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.7	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	25	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	11.4	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.050	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.18	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.0015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	4.4	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.15	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.21	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....


Dr. Maheshwari Solanki
Sr. Scientist


Nikita Patel
Microbiologist


Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181117020**Issue Date : **27/11/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	6.0	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	1.2	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	14	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	3.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	29.9	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.72	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.38	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.56	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	78	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	11	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	0.52	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	156	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	110	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181117021
	Issue Date : 27/11/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 16/11/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 17/11/2018	Lab ID : PLPL/181117021
Packing/ Seal : Sealed	Date of Completion : 27/11/2018
Date of Starting of Test : 17/11/2018	Sample Identification : SW-6 Namdha[#]

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.33	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	34.60	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	974	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	26	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	664	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	226	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	201	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.5	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	54.4	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	21.60	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.047	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.22	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.0015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	109	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.091	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.17	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**

Test Report No. : **PLPL/181117021**

Issue Date : **27/11/2018**

Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	126	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	19	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	70	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	24	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	2.3	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	10.57	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.96	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	140	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	18	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	8.27	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	571	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Page: 1 of 2

Customer's Name and Address :

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181117022**Issue Date : **27/11/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

Description of Sample : **Surface water** Quantity/No. of Samples : **12 Lit/One**
 Sampling By : **Pollucon Laboratories Pvt. Ltd.**
 Sampling Date : **16/11/2018** Protocol (Purpose) : **Analysis of Surface water sample**
 Sample Receipt Date : **17/11/2018** Lab ID : **PLPL/181117022**
 Packing/ Seal : **Sealed** Date of Completion : **27/11/2018**
 Date of Starting of Test : **17/11/2018** Sample Identification : **SW-7 Zari Causeway#**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.12	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	31.60	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	1310	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	24	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	880	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	274	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	341	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	6.1	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	64	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	27.36	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	< 0.013	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.22	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.27	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	130	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.14	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.20	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

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Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181117022**Issue Date : **27/11/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	204	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	16	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	38	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	8.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.1	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	2.0	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	9.80	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.98	APHA 4500-P-C (Vanadomolybdophosthoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	126	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	22	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	7.43	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	712	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carboryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	90	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.


Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181117023 Issue Date : 27/11/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	---

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 16/11/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 17/11/2018	Lab ID : PLPL/181117023
Packing/ Seal : Sealed	Date of Completion : 27/11/2018
Date of Starting of Test : 17/11/2018	Sample Identification : SW-8 Moti Daman Jetty#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.9	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	25.7	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	15318	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	72	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	10530	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	1700	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	5248	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.8	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	149	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	318	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.10	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.11	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.16	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.19	APHA (22 nd Edi) 3500 Fe B Phenantrolin Method
16	Nickel as Ni	mg/L	0.22	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	985	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.70	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.32	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

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Microbiologist

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Lab Manager (Q)

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TEST REPORT

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Customer's Name and Address :

Page: 2 of 2

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181117023 Issue Date : 27/11/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
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RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	3348	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	210	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	62	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	18	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.2	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.9	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	6.74	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.0	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	130	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	36	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	5.80	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	Mg/L	8210	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	41	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	240	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181117024
	Issue Date : 27/11/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 16/11/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 17/11/2018	Lab ID : PLPL/181117024
Packing/ Seal : Sealed	Date of Completion : 27/11/2018
Date of Starting of Test : 17/11/2018	Sample Identification : SW:10 CETP O/L

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.41	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	21.4	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	8410	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	76	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	5780	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	2318	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	1510	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	4.9	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	530	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	238	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.057	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.03	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.17	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.36	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.12	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	986	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.56	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.30	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**

Test Report No. : **PLPL/181117024**

Issue Date : **27/11/2018**

Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	810	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	74	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	282	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	48	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31.6	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.44	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	46.84	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.8	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	352	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	14	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	46.1	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	4516	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	94	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

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Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181117025
	Issue Date : 27/11/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 16/11/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 17/11/2018	Lab ID : PLPL/181117025
Packing/ Seal : Sealed	Date of Completion : 27/11/2018
Date of Starting of Test : 17/11/2018	Sample Identification : SW:11 100 mtr. Down Strem From CETP

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.09	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	3.30	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	1123	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	64	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	752	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	280	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	221	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.2	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	64	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	28.8	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.05	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	< 0.022	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.18	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	<0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	<0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	72	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.18	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.68	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**

Test Report No. : **PLPL/181117025**

Issue Date : **27/11/2018**

Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	152	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	13	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	36	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	8.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.2	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.84	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	12.32	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.68	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	116	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	12	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	10.60	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	520	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	920	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181117026
	Issue Date : 27/11/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 16/11/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 17/11/2018	Lab ID : PLPL/181117026
Packing/ Seal : Sealed	Date of Completion : 27/11/2018
Date of Starting of Test : 17/11/2018	Sample Identification : SW-12 N.H.8 (Kolak)#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.56	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	30.2	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	350	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	48	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	248	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	150	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	38	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	5.6	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	41	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	11	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.06	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.16	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.22	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	< 0.01	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.05	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	9.6	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.34	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.29	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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**TEST REPORT**

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**Test Report No. : **PLPL/181117026**Issue Date : **27/11/2018**Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016****RESULT TABLE**

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	12	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	6.0	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	20	APHA (22 nd Edition) 5220 B Open Reflux Method/Saline SOP
26	BOD (3 Days @ 27°C)	mg/L	5.0	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.4	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.52	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	1.56	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	0.48	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	124	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	6.0	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	0.72	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	194	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508 SOP : Pesticides/Insecticides : 001 (Reff : IS 10500)
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	350	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	1600	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

**Dr. Maheshwari Solanki
Sr. Scientist****Nikita Patel
Microbiologist****Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

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"Pollucon House", Plot No.5/6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181117027 Issue Date : 27/11/2018 Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016
--	---

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 16/11/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 17/11/2018	Lab ID : PLPL/181117027
Packing/ Seal : Sealed	Date of Completion : 27/11/2018
Date of Starting of Test : 17/11/2018	Sample Identification : SW:13 O/L of GHCL Bhilad

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.42	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	32	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	2098	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	70	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	1410	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	256	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	249	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	4.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	51	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	30	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.075	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.092	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.24	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	1.40	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.091	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	<0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	<0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	248	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.28	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.11	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**

Test Report No. : **PLPL/181117027**

Issue Date : **27/11/2018**

Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	110	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	58	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	316	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	65	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	31.1	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	2.88	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	34.30	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	2.3	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	210	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	60	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	29.3	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	1134	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	220	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QR/5.10/01

Page: 1 of 2

Customer's Name and Address :

M/S. POLLUTION CONTROL COMMITTEE DD & DNH, DAMAN.	Test Report No. : PLPL/181117028
	Issue Date : 27/11/2018
	Customer's Ref. : W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016

Description of Sample : Surface water	Quantity/No. of Samples : 12 Lit/One
Sampling By : Pollucon Laboratories Pvt. Ltd.	
Sampling Date : 16/11/2018	Protocol (Purpose) : Analysis of Surface water sample
Sample Receipt Date : 17/11/2018	Lab ID : PLPL/181117028
Packing/ Seal : Sealed	Date of Completion : 27/11/2018
Date of Starting of Test : 17/11/2018	Sample Identification : SW-14 Pataliya Bridge(Kolak)#

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.2	IS:3025 (P-11) 1983 (Re.2002)
2	Turbidity	NTU	10.6	IS:3025 (P-10) 1984 (Re.2002)
3	Conductivity	µmho/cm	926	IS:3025 (P-14) 1984 (Re.2002)
4	Total Suspended Solid	mg/L	20	IS:3025 (P-17) 1984 (Re.2002)
5	Total Dissolved Solid	mg/L	610	IS:3025 (P-16) 1984 (Re.2002)
6	Total Hardness as CaCO ₃	mg/L	202	IS:3025 (P-21) 1984 EDTA (Re.2002)
7	Chloride as Cl	mg/L	125	IS:3025 (P-32) 1988 (Re.1999) (Argentometric method)
8	Dissolved Oxygen	mg/L	4.4	IS:3025 (P-38) 1989 (Re.1999) (Titrimetric method)
9	Calcium as Ca	mg/L	48.8	IS:3025 (P-40) 1991 (Re.2003) (EDTA Titrimetric method)
10	Magnesium as Mg	mg/L	19.20	IS:3025 (P-46) 1994 (Re.1999) (EDTA method)
11	Chromium as Cr	mg/L	0.014	AAS APHA (22 nd Edi) 3111 B
12	Cadmium as Cd	mg/L	< 0.001	AAS APHA (22 nd Edi) 3111 B
13	Copper as Cu	mg/L	0.080	AAS APHA (22 nd Edi) 3111 B
14	Zinc as Zn	mg/L	0.56	AAS APHA (22 nd Edi) 3111 B
15	Iron as Fe	mg/L	0.10	APHA (22 nd Edi) 3500 Fe B Phenantroline Method
16	Nickel as Ni	mg/L	0.026	AAS APHA (22 nd Edi) 3111 B
17	Lead as Pb	mg/L	< 0.005	AAS APHA (22 nd Edi) 3111 B
18	Mercury as Hg	mg/L	< 0.00025	AAS APHA (22 nd Edi) 3112 B
19	Arsenic as As	mg/L	< 0.00015	AAS APHA (22 nd Edi) 3112 B
20	Sulphate as SO ₄	mg/L	68.5	IS:3025 (P-24)1986 Turbidimetric method
21	Boron as B	mg/L	0.26	APHA (22 nd Edi) 4500 B Curcumin method
22	Fluoride as F	mg/L	0.48	APHA (22 nd Edi) 4500 F D SPANDS Method

Continue....

Dr. Maheshwari Solanki
Sr. Scientist

Nikita Patel
Microbiologist

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TEST REPORT

QR/5.10/01

Customer's Name and Address :

Page: 2 of 2

**M/S. POLLUTION CONTROL COMMITTEE
DD & DNH,
DAMAN.**

Test Report No. : **PLPL/181117028**

Issue Date : **27/11/2018**

Customer's Ref. : **W.O.NO.:PCC/DDD/PROJECT-(P-III)/2015-2016/307 DATE:28.10.2016**

RESULT TABLE

SR. NO.	PARAMETERS	UNIT	RESULT	TEST METHOD
23	Sodium as Na	mg/L	80	AAS APHA (22 nd Edi) 3111 B
24	Potassium as K	mg/L	16	IS:3025 (P-45) 1993 Edition 2.1 (2003-04) Flame Photometry Method
25	COD	mg/L	56	APHA (22 nd Edition) 5220 B Open Reflux Method
26	BOD (3 Days @ 27°C)	mg/L	18	IS:3025 (P-44) 1993 (Re.2003) Edi.2.1
27	Temperature	°C	30.1	IS:3025 (P-9) 1984 (Re.2002)
28	Nitrate Nitrogen as NO ₃	mg/L	0.94	IS:3025 (P-34) 1988 (Chromotropic Acid Method)
29	Total Kjeldahl Nitrogen as TKN	mg/L	4.72	IS:3025 (P-34) 1988 (Re.2003)
30	Phosphate as PO ₄	mg/L	1.62	APHA 4500-P-C (Vanadomolybdophosphoric Acid Colorimetric Method)
31	Total Alkalinity as CaCO ₃	mg/L	218	IS:3025 (P-23) 1986 (Re.2003)
32	P Alkalinity as CaCO ₃	mg/L	15	IS:3025 (P-23) 1986 (Re.2003)
33	Ammonia as NH ₃	mg/L	3.28	IS:3025 (P-34) 1988 Cla.2.3 Nesslerization Method
34	Total Fixed Solid	mg/L	483	IS:3025 (P-18) 1984 (Re.2002)
35	Alpha BHC	µg/L	< 0.25	USEPA 508
36	Beta BHC	µg/L	< 0.25	
37	Gama BHC	µg/L	< 0.25	
38	OP DDT	µg/L	< 0.5	
39	PP DDT	µg/L	< 0.5	
40	Alpha Endosulphan	µg/L	< 0.1	
41	Beta Endosulphan	µg/L	< 0.1	
42	Dieldrin	µg/L	< 0.01	
43	Carbaryl (Carbamate)	µg/L	< 0.1	
44	2-4 D	µg/L	< 1.0	
45	Aldrin	µg/L	< 0.02	SOP : Pesticides/Insecticides : 001 (Ref : IS 10500)
46	Malathian	µg/L	< 100	
47	Methyl Parathin	µg/L	< 0.1	
48	Anilophos	µg/L	< 0.5	
49	Chloropyriphos	µg/L	< 10	
50	Fecal Coliform	MPN/100ml	130	APHA(22 nd Edi)9221-C & E
51	Total Coliform	MPN/100ml	540	APHA(22 nd Edi)9221-B & C

: Detail provided by customer.

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RIVER WATER QUALITY MONITORING REPORT

Month of December - 2018

For

Pollution Control Committee



At

**Udyog Bhavan, First Floor,
Bhenslore, Nani Daman – 396 210**

Monitoring Organization



White House,
Near G.I.D.C. Office, Char Rasta,
Vapi-396 195, Gujarat, India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

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2.	River Water Sampling Location Details.
3.	Image of Sampling Location Shown in River area.
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4.	D/s of Madhuban Dam (Test Reports No.: URC/18/12/0478 & URB/18/12/0492)
5.	At D/s of Naroli Bridge, Silvassa, DNH. (Test Reports No.: URC/18/12/0467 & URB/18/12/0481)
6.	At Lawacha Temple. (Test Reports No.: URC/18/12/0479 & URB/18/12/0493)
7.	Near Surat Beverages, Dadra, DNH. (Test Reports No.: URC/18/12/0480 & URB/18/12/0494)
8.	At Vapi Weir, Vapi. (Test Reports No.: URC/18/12/0468 & URB/18/12/0482)
9.	At Namdha Village. (Test Reports No.: URC/18/12/0469 & URB/18/12/0483)
10.	At Zari Causeway, Kachigam. (Test Reports No.: URC/18/12/0470 & URB/18/12/0484)
11.	At D/s of Discharge point of Distillery. (Test Reports No.: URC/18/12/0471 & URB/18/12/0485)
12.	At Moti Daman Jetty. (Test Reports No.: URC/18/12/0472 & URB/18/12/0486)
13.	Outlet of CETP, Vapi. (Test Reports No.: URC/18/12/0473 & URB/18/12/0487)
14.	Outlet of GHCL, Bhilad. (Test Reports No.: URC/18/12/0474 & URB/18/12/0488)
15.	100 meter downstream of outlet of CETP, (Vapi from River). (Test Reports No.: URC/18/12/0475 & URB/18/12/0489)
16.	At Patalia Bridge (Kolak River). (Test Reports No.: URC/18/12/0476 & URB/18/12/0490)
17.	At N.H.No.8, Vapi (Kolak River). (Test Reports No.: URC/18/12/0477 & URB/18/12/0491)

River Water Sampling Location Details

Sr. No.	Name of Location	Coordinates deg. deci.	
		Latitude	Longitude
1.	D/s of Madhuban Dam	20° 12' 57"	73° 2' 29"
2.	At D/s of Naroli Bridge, Silvassa, DNH.	20° 16' 7"	72° 59' 21"
3.	At Lawacha Temple	20° 18' 33.2"	72° 57' 35.9"
4.	Near Surat Beverages, Dadra, DNH	20° 18' 33.2"	72° 57' 35.9"
5.	At Vapi Weir, Vapi	20° 20' 23.42"	72° 54' 34.49"
6.	At Namdha Village	20° 21' 45.8"	72° 52' 52.3"
7.	At Zari Causeway, Kachigam	20° 22' 18.62"	72° 52' 50.52"
8.	At D/s of discharge point of Distillery	20° 23' 53.74"	72° 51' 39.1"
9.	At Moti Daman Jetty	20° 24' 40.18"	72° 50' 3.19"
10. *	Drain near Vapi Weir (Drain flowing from Nani Sulpad, Khanki Falia)	--	--
11.	Outlet of CETP, Vapi	20° 20' 34.62"	72° 54' 20.38"
12.	Outlet of GHCL, Bhilad	20° 17' 35.81"	72° 53' 49.31"
13.	100 meter downstream of outlet of CETP, Vapi from river)	20° 20' 31.52"	72° 54' 16.88"
14. *	100 meter downstream of GHCL, Bhilad (from River)	--	--
15.	At Patalia Bridger (Kolak River)	20° 27' 41"	72° 53' 12.59"
16.	At N.H.No.8, Vapi (Kolak River)	20° 25' 24.2"	72° 54' 57.28"

Note: “*” Sr. No. 10 River water sample from Drain near Vapi Weir (Drain flowing from Nani Sulpad, Khanki Falia) was in Dry condition. and

Sr. No. 14 River water sample from 100 meter downstream of GHCL, Bhilad from River was Not approachable.

Sampling Points For River Water Sampling Location



Legend

- AAQM Locations
- Interstate Boundary

- RW-1 Madhuban Dam
- RW-2 NAroli Bridge, Silvassa, DNH
- RW-3 Lawacha Temple
- RW-4 Nr Surat Beverages, Dadra, DNH
- RW-5 At Vapi Weir, Vapi

- RW-6 Namadha Village
- RW-7 At Zari causeway, Kachigam
- RW-8 At Discharge point of Distillery
- RW-9 Moti Daman Jetty
- RW-11 outlet CETP, Vapi
- RW-12 Outlet of GHCL, Bhilad
- RW-13 100 mtr downstream of outlet of CETP, Vapi
- RW-15 Patalia Bridge Kolak River
- RW-16 NH no. 8, Vapi (Kolak River)

Prepared By:

M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi

Source: Survey of India
Toposheet no. F43S15 & 16, (46d-15 & 16),
F43T3 & 4, (46H-3 & 4),

TEST REPORT

ULR – TC775318000006121P			
Report No.	URC /18/12/0478	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (D/S of Madhuban Dam)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0478			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	31
2.	pH at 25 °C	IS 3025(Part 11)1983, (APHA 23 rd Ed.,2017,4500-H ⁺ B)	--	7.84
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	179.2
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	6.7
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	BDL(MDL:1.0)
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	BDL(MDL:0.1)
7.	*Ammonia as N	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	BDL(MDL:2.0)
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	BDL(MDL:2.0)
9.	TKN	APHA 23 rd Ed.,2017,4500 NH ₃ - B	mg/L	BDL(MDL:2.0)
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	124
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	98
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	8
13.	Turbidity	IS 3025(Part 10)1984	NTU	0.1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	69.3
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	0.57
16.	*Boron	--	mg/L	N.D.
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-Cl)	mg/L	3.4
18.	Sulphate	IS 3025(Part 24)1986	mg/L	1.2
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	110.5
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	11.1
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	BDL(MDL:0.1)

TEST REPORT

ULR – TC775318000006121P			
Report No.	URC /18/12/0478	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (D/S of Madhuban Dam)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0478			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	mg/L	5.0
23.	Potassium	APHA 23 rd Ed.,2017,3500 K,B	mg/L	BDL(MDL:1.0)
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	mg/L	19.1
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	mg/L	5.3
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.02)
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/l	BDL(MDL:0.05)
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.003)
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.01)
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.1)



TEST REPORT

ULR – TC77531800006121P			
Report No.	URC /18/12/0478	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (D/S of Madhuban Dam)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0478			

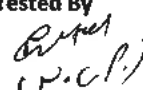
TEST RESULTS

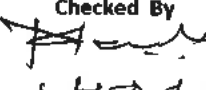
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gama BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4 D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyrifos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carbaryl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anilophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)

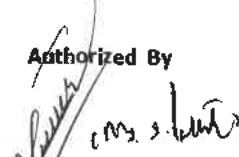
Note: *The parameters marked with an*are not accredited by NABL*, BDL=Below Detection Limit, MDL = Minimum Detection Limit

N.D. = Not Detectable, Turbidity =0.1= 1.60 NTU

***** End of Report *****

Tested By

(P.C.P.)
(Chemist)

Checked By

(Sr. Chemist)

Authorized By

(Technical Manager)

TEST REPORT
(Microbiology)

ULR -TC775318000006039F			
Report No.	URB/18/12/0492	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	D/S of Madhuban Dam	Temperature at sampling point	25° C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Colourless
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0492			

TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23 rd Ed.2017,9221-B	MPN Index/100 ml	15
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	02

Opinions and Interpretations: (if required)

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***** End of Report *****

Tested By


Shweta Rana
Microbiologist

Authorized By


Meera D. Patel
Sr. Microbiologist

TEST REPORT

ULR – TC77531800006110P			
Report No.	URC /18/12/0467	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At D/S of Naroli Bridge, Silvassa, DNH)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0467			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	30
2.	pH at 25 °C	IS 3025(Part 11)1983, (APHA 23 rd Ed.,2017,4500-H ⁺ B)	--	7.92
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	182.1
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	6.0
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	1.3
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	BDL(MDL:0.1)
7.	*Ammonia as: N	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	BDL(MDL:2.0)
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	8.1
9.	TKN	APHA 23 rd Ed.,2017,4500 NH3 - B	mg/L	BDL(MDL:2.0)
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	148
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	100
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	4
13.	Turbidity	IS 3025(Part 10)1984	NTU.	0.1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	77.2
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	BDL(MDL:0.2)
16.	*Boron	--	mg/L	N.D.
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-Cl)	mg/L	6.9
18.	Sulphate	IS 3025(Part 24)1986	mg/L	2.3
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	66.3
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	BDL(MDL:5.0)
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	0.5

TEST REPORT

ULR – TC775318000006110P			
Report No.	URC /18/12/0467	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At D/S of Naroli Bridge, Silvassa, DNH)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0467			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	mg/L	4.0
23.	Potassium	APHA 23 rd Ed.,2017,3500 K,B	mg/L	BDL(MDL:1.0)
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	mg/L	19.8
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	mg/L	6.7
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.02)
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.003)
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.01)
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.1)



TEST REPORT

ULR – TC77531800006110P			
Report No.	URC /18/12/0467	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At D/S of Naroli Bridge, Silvassa, DNH)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0467			

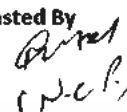
TEST RESULTS

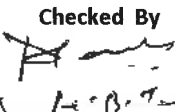
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gama BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4 D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyrifos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carbozyl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anilophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)


Note: "The parameters marked with an*" are not accredited by NABL", BDL=Below Detection Limit, MDL = Minimum Detection Limit

N.D. = Not Detectable, Turbidity =0.1= 4.52 NTU

***** End of Report *****

Tested By

(Chemist)

Checked By

(Sr. Chemist)

Authorized By

(Technical Manager)

**TEST REPORT
(Microbiology)**

ULR -TC775318000006028F			
Report No.	URB/18/12/0481	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	D/S of Naroli Bridge, Silvassa, DNH	Temperature at sampling point	26° C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Colourless
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0481			

TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23 rd Ed.2017,9221-B	MPN Index/100 ml	63
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	27

Opinions and Interpretations: (if required)


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***** End of Report *****

Tested By


Shweta Rana
Microbiologist

Authorized By


Meera D. Patel
Sr. Microbiologist

TEST REPORT

ULR – TC775318000006122P			
Report No.	URC /18/12/0479	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample [At Lawacha Temple]	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0479			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	30
2.	pH at 25 °C	IS 3025(Part 11)1983, (APHA 23 rd Ed.,2017,4500-H*B)	--	7.81
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	212.0
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	6.7
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	1.2
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	0.2
7.	*Ammonia as N	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	BDL(MDL:2.0).
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	7.0
9.	TKN	APHA 23 rd Ed.,2017,4500 NH ₃ - B	mg/L	BDL(MDL:2.0)
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	138
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	104
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	14
13.	Turbidity	IS 3025(Part 10)1984	NTU	0.1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	80.0
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	BDL(MDL:0.2)
16.	*Boron	--	mg/L	N.D.
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-Cl)	mg/L	13.8
18.	Sulphate	IS 3025(Part 24)1986	mg/L	2.5
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	121.6
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	BDL(MDL:5.0)
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	0.4

TEST REPORT

ULR – TC775318000006122P			
Report No.	URC /18/12/0479	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample [At Lawacha Temple]	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0479			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	mg/L	4.0
23.	Potassium	APHA 23 rd Ed.,2017,3500 K;B	mg/L	1.0
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	mg/L	23.0
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	mg/L	7.2
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.02)
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.053
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.003)
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.01)
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.1)



TEST REPORT

ULR – TC775318000006122P			
Report No.	URC /18/12/0479	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH, Daman.		
Sample Details	River Water Sample [At Lawacha Temple]	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0479			

TEST RESULTS

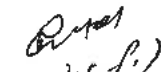
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gama BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4 D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyrifos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carbaryl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anilophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)

Note: "The parameters marked with an*"are not accredited by NABL", BDL=Below Detection Limit, MDL = Minimum Detection Limit

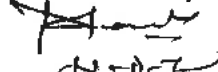
N.D. = Not Detectable, Turbidity =0.1= 2.55 NTU

***** End of Report *****

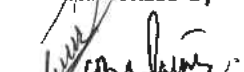
Tested By


(Chemist)

Checked By


(Sr. Chemist)

Authorized By


(Technical Manager)

TEST REPORT
(Microbiology)

ULR -TC77531800006040F			
Report No.	URB/18/12/0493	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH, Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	At Lawacha Temple	Temperature at sampling point	25 °C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Colourless
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0493			

TEST RESULTS:

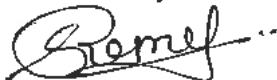
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23rd Ed.2017,9221-B	MPN Index/100 ml	63
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	40

Opinions and Interpretations: (if required)

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***** End of Report *****

Tested By



Shweta Rana
Microbiologist

Authorized By



Meera D. Patel
Sr. Microbiologist

TEST REPORT

ULR – TC77531800006123P			
Report No.	URC /18/12/0480	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (Near Surat Beverages, Dadra, DNH)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0480			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	31
2.	pH at 25 °C	IS 3025(Part 11)1983, (APHA 23 rd Ed.,2017,4500-H ¹ B)	--	7.88
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	221.5
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	6.3
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	1.1
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	0.2
7.	*Ammonia as N	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	BDL(MDL:2.0)
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	8.0
9.	TKN	APHA 23 rd Ed.,2017,4500 NH3 - B	mg/L	BDL(MDL:2.0)
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	132
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	96
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	16
13.	Turbidity	IS 3025(Part 10)1984	NTU	0.1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	89.1
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	BDL(MDL:0.2)
16.	*Boron	--	mg/L	N.D.
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-Cl)	mg/L	12.3
18.	Sulphate	IS 3025(Part 24)1986	mg/L	3.0
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	121.6
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	BDL(MDL:5.0)
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	0.4

TEST REPORT

ULR – TC775318000006123P			
Report No.	URC /18/12/0480	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (Near Surat Beverages, Dadra, DNH)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0480			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	mg/L	5.0
23.	Potassium	APHA 23 rd Ed.,2017,3500 K,B	mg/L	1.0
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	mg/L	23
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	mg/L	7.7
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.02)
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.054
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	mg/l	BDL(MDL:0.003)
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.01)
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.1)



TEST REPORT

ULR – TC775318000006123P			
Report No.	URC /18/12/0480	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH, Daman.		
Sample Details	River Water Sample (Near Surat Beverages, Dadra, DNH)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0480			

TEST RESULTS

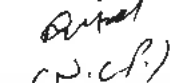
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gama BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4 D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyriphos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carbaryl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anilophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)

Note: *The parameters marked with an* are not accredited by NABL, BDL=Below Detection Limit, MDL = Minimum Detection Limit

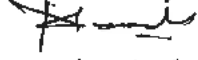
N.D. = Not Detectable, Turbidity =0.1= 2.01 NTU

***** End of Report *****

Tested By


(Chemist)

Checked By


(Sr. Chemist)

Authorized By


(Technical Manager)

**TEST REPORT
(Microbiology)**

ULR -TC775318000006041F			
Report No.	URB/18/12/0494	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH, Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	Near Surat Beverages, Dadra, DNH	Temperature at sampling point	26° C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Colourless
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0494			

TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23 rd Ed.2017,9221-B	MPN Index/100 ml	70
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	60

Opinions and Interpretations: (if required)

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***** End of Report *****

Tested By



**Shweta Rana
Microbiologist**

Authorized By



**Meera D. Patel
Sr. Microbiologist**

TEST REPORT

ULR – TC775318000006111P			
Report No.	URC /18/12/0468	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Vapi Weir, Vapi)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0468			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	30
2.	pH at 25 °C	IS 3025(Part 11)1985, (APHA 23 rd Ed.,2017,4500-H ⁺ B)	--	8.16
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	228.8
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	6.5
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	BDL(MDL:1.0)
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	0.1
7.	*Ammonia as N	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	BDL(MDL:2.0)
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	BDL(MDL:2.0)
9.	TKN	APHA 23 rd Ed.,2017,4500 NH3 - B	mg/L	BDL(MDL:2.0)
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	144
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	96
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	BDL(MDL:4.0)
13.	Turbidity	IS.3025(Part 10)1984	NTU	0.1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	109
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	BDL(MDL:0.2)
16.	*Boron	--	mg/L	N.D.
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-Cl)	mg/L	11.8
18.	Sulphate	IS 3025(Part 24)1986	mg/L	2.1
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	121.6
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	BDL(MDL:5.0)
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	0.5

TEST REPORT

ULR – TC775318000006111P			
Report No.	URC /18/12/0468	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Vapi Weir, Vapi)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0468			

TEST RESULTS

22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	---	mg/L	5.0
23.	Potassium	APHA 23 rd Ed.,2017,3500 K,B	--	mg/L	1.1
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	75 Max.	mg/L	23.8
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	30 Max.	mg/L	7.7
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	0.01 Max.	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	0.02 Max.	mg/L	BDL(MDL:0.02)
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	0.05 Max.	mg/L	BDL(MDL:0.05)
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	0.001 Max.	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	0.05 Max.	mg/L	BDL(MDL:0.05)
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	0.003 Max.	mg/L	BDL(MDL:0.003)
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	5 Max.	mg/L	BDL(MDL:0.05)
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	0.01 Max.	mg/L	BDL(MDL:0.01)
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	0.3 Max.	mg/L	BDL(MDL:0.1)

TEST REPORT

ULR – TC775318000006111P			
Report No.	URC /18/12/0468	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Vapi Weir, Vapi)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0468			

TEST RESULTS

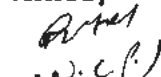
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gama BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4 D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyrifos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carbaryl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anilophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)

Note: "The parameters marked with an*"are not accredited by NABL", BDL=Below Detection Limit, MDL = Minimum Detection Limit

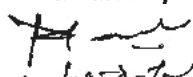
N.D. = Not Detectable, Turbidity =0.1= 2.55 NTU

***** End of Report *****

Tested By


(Chemist)

Checked By


(Sr. Chemist)

Authorized By


(Technical Manager)

**TEST REPORT
(Microbiology)**

ULR -TC775318000006029F			
Report No.	URB/18/12/0482	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	At Vapi Weir, Vapi	Temperature at sampling point	26° C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Colourless
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0482			

TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23rd Ed.2017,9221-B	MPN Index/100 ml	280
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	50

Opinions and Interpretations: (if required)

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***** End of Report *****

Tested By


Shweta Rana
Microbiologist

Authorized By


Meera D. Patel
Sr. Microbiologist

TEST REPORT

ULR – TC77531800006112P			
Report No.	URC /18/12/0469	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Namdha Village)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Light Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0469			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	30
2.	pH at 25 °C	IS 3025(Part 11)1983, (APHA 23 rd Ed.,2017,4500-H ⁺ B)	--	7.57
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	3020
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	4.5
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	2.7
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	1.1
7.	*Ammonia as N.	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	8.0
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	28
9.	TKN	APHA 23 rd Ed.,2017,4500 NH3 - B	mg/L	13.8
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	1892
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	1260
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	6
13.	Turbidity	IS 3025(Part 10)1984	NTU	0.1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	425.7
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	BDL(MDL:0.2)
16.	*Boron	--	mg/L	0.21
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-Cl)	mg/L	724.3
18.	Sulphate	IS 3025(Part 24)1986	mg/L	235.6
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	171.3
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	BDL(MDL:5.0)
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	0.4

TEST REPORT

ULR – TC775318000006112P			
Report No.	URC /18/12/0469	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Namdha Village)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Light Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0469			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	mg/L	778.5
23.	Potassium	APHA 23 rd Ed.,2017,3500 K,B	mg/L	31.5
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	mg/L	87.3
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	mg/L	50.5
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.047
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.051
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.016
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.074
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.01)
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.100

TEST REPORT

ULR – TC77531800006112P			
Report No.	URC /18/12/0469	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Namdha Village)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Light Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0469			

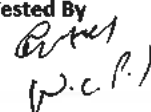
TEST RESULTS

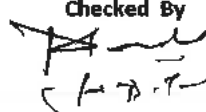
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gamma BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4 D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyrifos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carbaryl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anilophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)

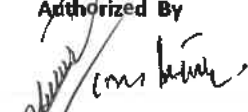
Note: *The parameters marked with an*are not accredited by NABL, BDL=Below Detection Limit, MDL = Minimum Detection Limit

N.D. = Not Detectable, Turbidity =0.1= 4.31 NTU

***** End of Report *****

Tested By

(Chemist)

Checked By

(Sr. Chemist)

Authorized By

(Technical Manager)

TEST REPORT
(Microbiology)

ULR -TC77531800006030F			
Report No.	URB/18/12/0483	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH, Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	At Namdha Village	Temperature at sampling point	26° C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Light Yellow
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0483			

TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23 rd Ed.2017,9221-B	MPN Index/100 ml	>1600
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	1600

Opinions and Interpretations: (if required)

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***** End of Report *****

Tested By


Shweta Rana
Microbiologist

Authorized By


Meera D. Patel
Sr. Microbiologist

TEST REPORT

ULR – TC775318000006113P			
Report No.	URC /18/12/0470	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Zari Causeway, Kachigam)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Light Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0470			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	30
2.	pH at 25 °C	IS 3025(Part 11)1983, (APHA 23 rd Ed.,2017,4500-H*B)	--	7.51
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	4110
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	3.5
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	2.9
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	1.0
7.	*Ammonia as N.	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	8.0
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	32.0
9.	TKN	APHA 23 rd Ed.,2017,4500 NH3 - B	mg/L	13.9
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	2536
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	2188
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	10
13.	Turbidity	IS 3025(Part 10)1984	NTU	0.1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	386.1
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	1.04
16.	*Boron	--	mg/L	0.47
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-C)	mg/L	1054.4
18.	Sulphate	IS 3025(Part 24)1986	mg/L	298.5
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	182.3
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	BDL(MDL:5.0)
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	0.8

TEST REPORT

ULR – TC775318000006113P			
Report No.	URC /18/12/0470	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Zari Causeway, Kachigam)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Light Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0470			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	mg/L	578.5
23.	Potassium	APHA 23 rd Ed.,2017,3500 K,B	mg/L	22.5
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	mg/L	59.5
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	mg/L	57.7
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.040
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.055
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.011
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.067
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.01)
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.152



TEST REPORT

ULR – TC77531800006113P			
Report No.	URC /18/12/0470	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH, Daman.		
Sample Details	River Water Sample (At Zari Causeway, Kachigam)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Light Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0470			


TEST RESULTS

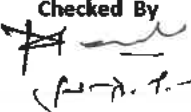
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gamma BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4 D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyrifos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carbaryl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anifophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)

Note: "The parameters marked with an* are not accredited by NABL", BDL=Below Detection Limit, MDL = Minimum Detection Limit

N.D. = Not Detectable, Turbidity =0.1= 3.99 NTU

***** End of Report *****

Tested By

(Chemist)

Checked By

(Sr. Chemist)

Authorized By

(Technical Manager)

TEST REPORT
(Microbiology)

ULR -TC775318000006031F			
Report No.	URB/18/12/0484	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	At Zari Causeway, Kachigam	Temperature at sampling point	26° C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Light Yellow
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0484			

TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23 rd Ed.2017,9221-B	MPN Index/100 ml	>1600
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	1600

Opinions and Interpretations: (if required)

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***** End of Report *****

Tested By


Shweta Rana
Microbiologist

Authorized By


Meera D. Patel
Sr. Microbiologist

TEST REPORT

ULR – TC775318000006114P			
Report No.	URC /18/12/0471	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At D/S of Discharge Point of Distillery)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Light Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0471			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	30
2.	pH at 25 °C	IS 3025(Part 11)1983, (APHA 23 rd Ed.,2017,4500-H ⁺ B)	—	7.42
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	21300
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	5.9
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	1.6
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	1.7
7.	*Ammonia as N	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	4.9
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	19.0
9.	TKN	APHA 23 rd Ed.,2017,4500 NH3 - B	mg/L	10.7
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	12032
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	10122
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	4
13.	Turbidity	IS 3025(Part 10)1984	NTU	0.1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	2306.7
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	0.27
16.	*Boron	--	mg/L	0.65
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-CI)	mg/L	6898.6
18.	Sulphate	IS 3025(Part 24)1986	mg/L	1130.6
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	165.8
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	BDL(MDL:5.0)
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	0.75

TEST REPORT

ULR – TC77531800006114P			
Report No.	URC /18/12/0471	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At D/S of Discharge Point of Distillery)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Light Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0471			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	mg/L	4186
23.	Potassium	APHA 23 rd Ed.,2017,3500 K,B	mg/L	194
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	mg/L	222.2
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	mg/L	425.8
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.260
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.058
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.122
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.098
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.141
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.01)
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.433



TEST REPORT

ULR – TC775318000006114P			
Report No.	URC /18/12/0471	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At D/S of Discharge Point of Distillery)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Light Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0471			

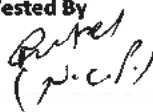
TEST RESULTS

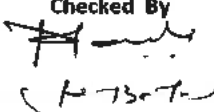
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gama BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4 D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyrifos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carbaryl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anilophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)

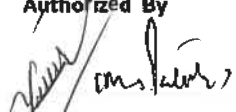
Note: *The parameters marked with an* are not accredited by NABL, BDL=Below Detection Limit, MDL = Minimum Detection Limit

N.D. = Not Detectable, Turbidity =0.1= 4.0 NTU

***** End of Report *****

Tested By

(Chemist)

Checked By

(Sr. Chemist)

Authorized By

(Technical Manager)

TEST REPORT
(Microbiology)

ULR -TC775318000006032F			
Report No.	URB/18/12/0485	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH, Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	At D/S of Discharge Point of Distillery	Temperature at sampling point	26° C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Light Yellow
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0485			

TEST RESULTS:

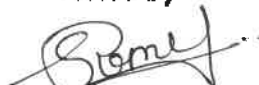
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23 rd Ed.2017,9221-B	MPN Index/100 ml	58
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	26

Opinions and Interpretations: (if required)

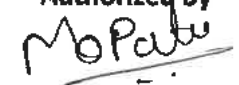
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***** End of Report *****

Tested By


Shweta Rana
Microbiologist

Authorized By


Meera D. Patel
Sr. Microbiologist

TEST REPORT

ULR – TC77531800006115P			
Report No.	URC /18/12/0472	Date Of Report	21/12/2018
Name & Address of Customer:	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Moti Daman Jetty)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Slightly Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0472			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	30
2.	pH at 25 °C	IS 3025(Part 11)1983, (APHA 23 rd Ed.,2017,4500-H*B)	--	7.64
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	17720
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	6.1
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	1.8
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	1.8
7.	*Ammonia as N	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	4.9
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	21.0
9.	TKN	APHA 23 rd Ed.,2017,4500 NH3 - B	mg/L	10.9
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	11644
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	9014
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	20
13.	Turbidity	IS 3025(Part 10)1984	NTU	0.1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	2178.0
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	0.30
16.	*Boron	--	mg/L	0.39
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-Cl)	mg/L	5814.5
18.	Sulphate	IS 3025(Part 24)1986	mg/L	984.6
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	165.8
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	BDL(MDL:5.0)
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	0.5

TEST REPORT

ULR – TC77531800006115P			
Report No.	URC /18/12/0472	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Moti Daman Jetty)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Slightly Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0472			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	mg/L	4048
23.	Potassium	APHA 23 rd Ed.,2017,3500 K,B	mg/L	177
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	mg/L	238.1
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	mg/L	384.9
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.228
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.051
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.113
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.080
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.131
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.01)
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.459



TEST REPORT

ULR – TC77531800006115P			
Report No.	URC /18/12/0472	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Moti Daman Jetty)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Slightly Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0472			

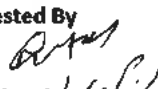
TEST RESULTS

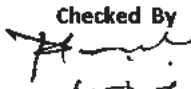
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gama BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4 D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyrifos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carbaryl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anilophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)

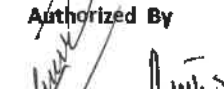
Note: "The parameters marked with an* are not accredited by NABL", BDL=Below Detection Limit, MDL = Minimum Detection Limit

N.D. = Not Detectable, Turbidity = 0.1= 4.8 NTU

***** End of Report *****

Tested By

(Chemist)

Checked By

(Sr. Chemist)

Authorized By

(Technical Manager)

TEST REPORT
(Microbiology)

ULR -TC775318000006033F			
Report No.	URB/18/12/0486	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	At Moti Daman Jetty	Temperature at sampling point	25°C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Slightly Yellow
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0486			

TEST RESULTS:


Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23 rd Ed.2017,9221-B	MPN Index/100 ml	84
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	50

Opinions and Interpretations: (if required)

***** End of Report *****

Tested By

Shweta Rana
Microbiologist

Authorized By

Meera D. Patel
Sr. Microbiologist

TEST REPORT

ULR – TC775318000006116P			
Report No.	URC /18/12/0473	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (Outlet of CETP, Vapi)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Brown Colour
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0473			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	30
2.	pH at 25 °C	IS 3025(Part 11)1983, (APHA 23 rd Ed.,2017,4500-H ⁺ B)	--	7.53
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	12990
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	2.3
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	32
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	3.9
7.	*Ammonia as N	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	118.2
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	242.0
9.	TKN	APHA 23 rd Ed.,2017,4500 NH3 - B	mg/L	124.1
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	8655
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	5120
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	38
13.	Turbidity	IS 3025(Part 10)1984	NTU	1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	1930.5
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	0.70
16.	*Boron	--	mg/L	0.17
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-Cl)	mg/L	2838.3
18.	Sulphate	IS 3025(Part 24)1986	mg/L	2535
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	607.8
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	BDL(MDL:5.0)
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	BDL(MDL:0.1)



TEST REPORT

ULR – TC775318000006116P			
Report No.	URC /18/12/0473	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (Outlet of CETP, Vapi)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Brown Colour
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0473			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	mg/L	2458
23.	Potassium	APHA 23 rd Ed.,2017,3500 K,B	mg/L	130
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	mg/L	376.9
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	mg/L	240.6
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.286
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.511
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.148
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.058
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.541
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.01)
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.458



TEST REPORT

ULR – TC77531800006116P			
Report No.	URC /18/12/0473	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (Outlet of CETP, Vapi)	Sample Qty.	5 Lt. + 1 Lt. + 1 Lt.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Brown Colour
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0473			

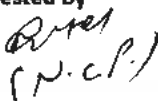
TEST RESULTS

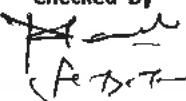
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gama BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4 D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyrifos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carbaryl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anilophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)

Note: *The parameters marked with an*are not accredited by NABL, BDL=Below Detection Limit, MDL = Minimum Detection Limit

N.D. = Not Detectable, Turbidity =1= 10.2 NTU

***** End of Report *****

Tested By

(Chemist)

Checked By

(Sr. Chemist)

Authorized By

(Technical Manager)

TEST REPORT
(Microbiology)

ULR -TC77531800006034F			
Report No.	URB/18/12/0487	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH, Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	Outlet of CETP, Vapi	Temperature at sampling point	26° C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Brown Colour
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0487			

TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23 rd Ed.2017,9221-B	MPN Index/100 ml	>1600
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	1600

Opinions and Interpretations: (if required)

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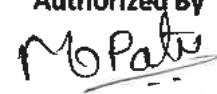
***** End of Report *****

Tested By



Shweta Rana
Microbiologist

Authorized By



Meera D. Patel
Sr. Microbiologist

TEST REPORT

ULR – TC77531800006117P			
Report No.	URC /18/12/0474	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (Outlet of GHCL, Bhilad)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Slightly Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0474			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	30
2.	pH at 25 °C	IS 3025(Part 11)1983, (APHA 23 rd Ed.,2017,4500-H ⁺ B)	--	7.83
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	2530
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	1.2
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	38
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	0.7
7.	*Ammonia as N	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	BDL(MDL:2.0)
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	152.2
9.	TKN	APHA 23 rd Ed.,2017,4500 NH3 - B	mg/L	4.9
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	1664
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	988
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	36
13.	Turbidity	IS 3025(Part 10)1984	NTU	0.1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	217.8
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	0.38
16.	*Boron	--	mg/L	N.D.
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-Cl)	mg/L	147.8
18.	Sulphate	IS 3025(Part 24)1986	mg/L	58.3
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	342.6
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	BDL(MDL:5.0)
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	0.7

TEST REPORT

ULR – TC77531800006117P			
Report No.	URC /18/12/0474	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (Outlet of GHCL, Bhilad)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Slightly Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0474			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	mg/L	229
23.	Potassium	APHA 23 rd Ed.,2017,3500 K,B	mg/L	8,5
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	mg/L	47.6
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	mg/L	24.1
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.02)
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.089
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.003)
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.01)
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.211



TEST REPORT

ULR – TC775318000006117P			
Report No.	URC /18/12/0474	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (Outlet of GHCL, Bhilad)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Slightly Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0474			

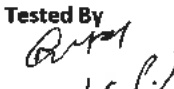
TEST RESULTS

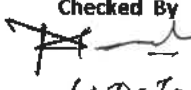
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gama BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4 D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyrifos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carbaryl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anilophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)

Note: "The parameters marked with an*"are not accredited by NABL", BDL=Below Detection Limit, MDL = Minimum Detection Limit

N.D. = Not Detectable, Turbidity =0.1= 8.8 NTU

***** End of Report *****

Tested By

(P.C.P.)
(Chemist)

Checked By

(Sr. Chemist)

Authorized By

(Technical Manager)

**TEST REPORT
(Microbiology)**

ULR -TC775318000006035F			
Report No.	URB/18/12/0488	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH, Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	Outlet of GHCL, Bhilad	Temperature at sampling point	26° C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Slightly Yellow
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0488			

TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23 rd Ed.2017,9221-B	MPN Index/100 ml	>1600
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	1600

Opinions and Interpretations: (if required)


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***** End of Report *****

Tested By


Shweta Rana
Microbiologist

Authorized By


Meera D. Patel
Sr. Microbiologist

TEST REPORT

ULR – TC775318000006118P			
Report No.	URC /18/12/0475	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (100 meter downstream of outlet of CETP, Vapi from River)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Light Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0475			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	31
2.	pH at 25 °C	IS 3025(Part 11)1983, (APHA 23 rd Ed.,2017,4500-H ⁺ B)	--	7.58
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	1038
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	4.3
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	3.2
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	0.7
7.	*Ammonia as N	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	BDL(MDL:2.0)
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	22.0
9.	TKN	APHA 23 rd Ed.,2017,4500 NH ₃ - B	mg/L	6.2
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	656
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	460
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	6
13.	Turbidity	IS 3025(Part 10)1984	NTU	0.1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	198.0
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	0.20
16.	*Boron	--	mg/L	N.D.
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-Cl)	mg/L	167.5
18.	Sulphate	IS 3025(Part 24)1986	mg/L	90.7
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	160.2
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	BDL(MDL:5.0)
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	0.1

TEST REPORT

ULR – TC775318000006118P			
Report No.	URC /18/12/0475	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (100 meter downstream of outlet of CETP, Vapi from River)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Light Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0475			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	mg/L	117.1
23.	Potassium	APHA 23 rd Ed.,2017,3500 K,B	mg/L	7.4
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	mg/L	47.6
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	mg/L	19.2
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.02)
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.058
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.003)
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.01)
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.1)



TEST REPORT

ULR – TC77531800006118P			
Report No.	URC /18/12/0475	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (100 meter downstream of outlet of CETP, Vapi from River)	Sample Qty.	5 Lit. + 1 Lit. + 1 lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Light Yellow
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0475			

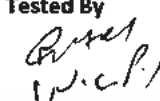
TEST RESULTS

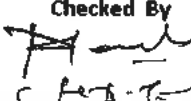
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gama BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4-D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyrifos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carbaryl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anilophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)


Note: "The parameters marked with an*" are not accredited by NABL", BDL=Below Detection Limit, MDL = Minimum Detection Limit

N.D. = Not Detectable, Turbidity =0.1= 1.80 NTU

***** End of Report *****

Tested By

(Chemist)

Checked By

(Sr. Chemist)

Authorized By

(Technical Manager)

TEST REPORT
(Microbiology)

ULR -TC775318000006036F			
Report No.	URB/18/12/0489	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH, Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	100 meter downstream of outlet of CETP, Vapi (From River)	Temperature at sampling point	26° C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Light Yellow
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0489			

TEST RESULTS:

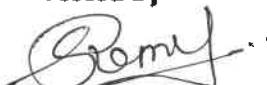
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23rd Ed.2017,9221-B	MPN Index/100 ml	540
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	220

Opinions and Interpretations: (if required)

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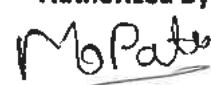
***** End of Report *****

Tested By



Shweta Rana
Microbiologist

Authorized By



Meera D. Patel
Sr. Microbiologist

TEST REPORT

ULR – TC775318000006119P			
Report No.	URC /18/12/0476	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Patalla Bridge , Kolak River)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0476			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	30
2.	pH at 25 °C	IS 3025(Part 11)1983, (APHA 23 rd Ed.,2017,4500-H ⁺ B)	--	7.66
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	809
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	4.8
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	2.9
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	0.3
7.	*Ammonia as N	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	BDL(MDL:2.0)
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	20.0
9.	TKN	APHA 23 rd Ed.,2017,4500 NH3 - B	mg/L	2.5
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	516
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	362
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	4
13.	Turbidity	IS 3025(Part 10)1984	NTU	0.1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	207.9
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	BDL(MDL:0.2)
16.	*Boron	--	mg/L	N.D.
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-Cl)	mg/L	113.3
18.	Sulphate	IS 3025(Part 24)1986	mg/L	20.2
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	226.5
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	BDL(MDL:5.0)
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	0.9

TEST REPORT

ULR – TC775318000006119P			
Report No.	URC /18/12/0476	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Patalia Bridge , Kolak River)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0476			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	mg/L	104.7
23.	Potassium	APHA 23 rd Ed.,2017,3500 K,B	mg/L	5.4
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	mg/L	55.6
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	mg/L	16.8
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.02)
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.003)
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.01)
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.1)



TEST REPORT

ULR – TC77531800006119P			
Report No.	URC /18/12/0476	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample (At Patalia Bridge , Kolak River)	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0476			

TEST RESULTS

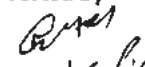
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gama BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4 D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyrifos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carbaryl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anilophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)

Note: "The parameters marked with an* are not accredited by NABL", BDL=Below Detection Limit, MDL = Minimum Detection Limit

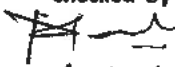
N.D. = Not Detectable, Turbidity =0.1= 2.21 NTU

***** End of Report *****

Tested By


(Chemist)

Checked By


(Sr. Chemist)

Authorized By


(Technical Manager)

**TEST REPORT
(Microbiology)**

ULR -TC775318000006037F			
Report No.	URB/18/12/0490	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	At Patalia Bridge , Kolak River	Temperature at sampling point	24° C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Colourless
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0490			

TEST RESULTS:

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23 rd Ed.2017,9221-B	MPN Index/100 ml	>1600
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	1600

Opinions and Interpretations: (if required)


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***** End of Report *****

Tested By


Shweta Rana
Microbiologist

Authorized By


Meera D. Patel
Sr. Microbiologist

TEST REPORT

ULR – TC775318000006120P			
Report No.	URC /18/12/0477	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample [At N.H.No. 8, Vapi(Kolak River)]	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0477			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1.	Temperature	IS 3025(Part 9)1984	°C	30
2.	pH at 25 °C	IS 3025(Part 11)1983, (APHA 23 rd Ed.,2017,4500-H ⁺ B)	–	8.05
3.	Conductivity	IS 3025(Part 14)1984	µs/cm	326
4.	Dissolve Oxygen	IS 3025(Part 38)1989, (APHA 23 rd Ed.,2017,4500-O,B),	mg/L	6.6
5.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	1.2
6.	Nitrate as N	(APHA 23 rd Ed.,2017,4500 NO3-B)	mg/L	BDL(MDL:0.1)
7.	*Ammonia as N.	IS 3025(Part 34)1988, (APHA 23 rd Ed.,2017,4500 NH ₃ -B&C),	mg/L	BDL(MDL:2.0)
8.	COD	IS 3025(Part 58)2006, (APHA 23 rd Ed.,2017,5220-B),	mg/L	8.0
9.	TKN	APHA 23 rd Ed.,2017,4500 NH ₃ - B	mg/L	BDL(MDL:2.0)
10.	TDS (Total Dissolve Solids)	(APHA 23 rd Ed.,2017,2540- C), IS 3025(Part 16)1984	mg/L	216
11.	TFS (Total Fixed Solids)	IS 3025(Part 18)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -E),	mg/L	150
12.	TSS (Total Suspended Solids)	IS 3025(Part 17)1984,Amd.1 (APHA 23 rd Ed.,2017,2540 -D),	mg/L	8
13.	Turbidity	IS 3025(Part 10)1984	NTU	0.1
14.	Hardness	IS 3025(Part 21)2009,Amd.1	mg/L	124.7
15.	Fluoride	(APHA 23 rd Ed.,2017,4500 F,D)	mg/L	BDL(MDL:0.2)
16.	*Boron	--	mg/L	N.D.
17.	Chloride	IS 3025(Part 32)1988 (APHA 23 rd Ed.,2017,4500-Cl)	mg/L	23.7
18.	Sulphate	IS 3025(Part 24)1986	mg/L	4.2
19.	Total Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	149.2
20.	P – Alkalinity	IS 3025(Part 23)1986, Amd.2	mg/L	BDL(MDL:5.0)
21.	Phosphate	(APHA 23 rd Ed.,2017,4500-P,D)	mg/L	0.4

TEST REPORT

ULR – TC77531800006120P			
Report No.	URC /18/12/0477	Date Of Report	21/12/2018
Name & Address of Customer	Pollution Control Committee U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample [At N.H.No. 8, Vapi(Kolak River)]	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0477			

TEST RESULTS

Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
22.	Sodium	APHA 23 rd Ed.,2017,3500 Na,B	mg/L	22.1
23.	Potassium	APHA 23 rd Ed.,2017,3500 K,B	mg/L	BDL(MDL:1.0)
24.	Calcium	APHA 23 rd Ed.,2017,3500 Ca.B)	mg/L	33.3
25.	Magnesium	APHA 23 rd Ed.,2017,3500 Mg.B	mg/L	10.1
26.	Arsenic	APHA 23 rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)
27.	Nickel	IS 3025(Part 54)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.02)
28.	Copper	IS 3025(Part 42)1992amd.01, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
29.	Mercury	(APHA 23 rd Ed.,2017,3112-B)	mg/L	BDL(MDL:0.001)
30.	Chromium	IS 3025(Part 52)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
31.	Cadmium	IS 3025(Part 41)1992, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.003)
32.	Zinc	IS 3025(Part 49)1994, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.05)
33.	Lead	IS 3025(Part 47)1994Amd.02, (APHA 23 rd Ed.,2017,3111-B)	mg/L	0.064
34.	Iron	IS 3025(Part 53)2003, (APHA 23 rd Ed.,2017,3111-B)	mg/L	BDL(MDL:0.1)



TEST REPORT

ULR – TC77531800006120P			
Report No.	URC /18/12/0477	Date Of Report	21/12/2018
Name & Address of Customer:	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water Sample [At N.H.No. 8, Vapi(Kolak River)]	Sample Qty.	5 Lit. + 1 Lit. + 1 Lit.+300 ml.
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	14/12/2018	Test Completion Date	20/12/2018
UERL Lab Sample ID.No. 18/12/0477			

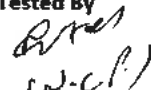
TEST RESULTS

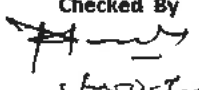
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
* Pesticides:				
35.	Alpha BHC	US EPA 508	ppb	BDL(MDL:0.01)
36.	Beta BHC	US EPA 508	ppb	BDL(MDL:0.04)
37.	Gama BHC	US EPA 508	ppb	BDL(MDL:2.0)
38.	OP DDT	US EPA 508	ppb	BDL(MDL:1.0)
39.	PP DDT	US EPA 508	ppb	BDL(MDL:1.0)
40.	Alpha Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
41.	Beta Endosulphan	US EPA 508	ppb	BDL(MDL:0.4)
42.	Dieldrin	US EPA 508	ppb	BDL(MDL:0.03)
43.	2-4 D	US EPA 515.1	ppb	BDL(MDL:30.0)
44.	Aldrin	US EPA 508	ppb	BDL(MDL:0.03)
45.	Chloropyriphos	US EPA 525.2	ppb	BDL(MDL:30.0)
46.	Carboryl (Carbamate)	US EPA 508	ppb	BDL(MDL:0.01)
47.	Methyl Parathin	US EPA 8141 A	ppb	BDL(MDL:0.3)
48.	Anilophos	US EPA 508	ppb	BDL(MDL:0.01)
49.	Malathian	US EPA 8141 A	ppb	BDL(MDL:190.0)

Note: "The parameters marked with an * are not accredited by NABL", BDL=Below Detection Limit, MDL = Minimum Detection Limit

N.D. = Not Detectable, Turbidity =0.1= 1.25 NTU

***** End of Report *****

Tested By

(Chemist)

Checked By

(Sr. Chemist)

Authorized By

(Technical Manager)

TEST REPORT
(Microbiology)

ULR -TC775318000006038F			
Report No.	URB/18/12/0491	Date Of Report	19/12/2018
Name & Address of Customer	Pollution Control Committee. U.T. of DD and DNH. Daman.		
Sample Details	River Water sample	Sample Qty.	500ml.
Location	At N.H.No. 8, Vapi(Kolak River)	Temperature at sampling point	26° C
Sampling Date	14/12/2018	Sample Received Date	14/12/2018
Sampled By	Us.[SOP No. :UERL/BIO/SOP/GB/03]	Appearance Of Sample	Colourless
Test Started Date	15/12/2018	Test Completion Date	19/12/2018
UERL Lab Sample ID. No.: 18/12/0491			

TEST RESULTS:

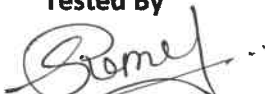
Sr. No.	Parameters	Test Method	Unit Of Measurement	Results
1	Total Coliform	APHA 23 rd Ed.2017,9221-B	MPN index/100 ml	220
2	Fecal Coliform	IS:1622:1981	MPN Index/100 ml	110

Opinions and Interpretations: (if required)

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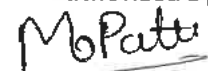
***** End of Report *****

Tested By



Shweta Rana
Microbiologist

Authorized By



Meera D. Patel
Sr. Microbiologist