



EKDANT ENVIRO SERVICES (P) LIMITED

NABL Accredited & MoEF Recognised Laboratory
An ISO 9001 : 2015 and OHSAS (ISO 45001 : 2018) Certified Company

No. R7/1, AVK Tower, North Main Road, Anna Nagar West Extn. Chennai - 600 101.

Phone : 044 - 2615 3349. Mobile : 94444 11178 / 94449 71649

E-mail : ekdantlab@gmail.com / ekdantfinance19@gmail.com

Web : www.ekdantlab.co.in

TEST REPORT

Sample Ref No. : EESW/703/03				Report No. : 830/03		
Issued To: M/s. The Engineer in Charge Civil-ATS,CEG,ESG,GSO Anupuram.				Report Date :22.03.2024 Page: 1 of 2		
Sample Description : Water				Received On :19.03.2024		
Sample Drawn By/ Date : Customer / 19.03.2024				Commenced On :19.03.2024		
Customer's Reference : Letter Dated On 19.03.2024				Completed On : 22.03.2024		
Sample Mark : RO Water (AECS III)						
Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
Physical Properties						
1	Appearance: When Analyzed After Filtration	-	Slightly Turbid Clear	-	-	-
2	pH value at 25°C	-	8.08	6.5 – 8.5	6.5 – 8.5	4500 H ⁺ B
3	Colour	-	1.0	-	-	2120 B
4	Odor	-	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983
5	Turbidity	NTU	0.7	1	5	2130 B
6	Electrical conductivity at 25°C	Micromhos/cm	858	-	-	2510 B
Chemical Properties						
7	Total Suspended Solids	mg/l	2.39	-	-	IS:3025 P.17:1984
8	Total Dissolved Solids	mg/l	515	500	2000	IS 3025:P.16:1984

----End of Page1----



- NOTE: 1. Test results shown in this test report relate only to the items tested.
2. This test report shall not be reproduce anywhere except in full and in same format without the Approval of the laboratory
3. Unless informed by the customer the test items will not be retained for more than 10 days from The date of issue of test report (exceptional for Microbiology and wastewater for which retaining time 7 days.)



TEST REPORT – ADDITIONAL SHEET

Sample Ref No. : EES/W/703/03

Report No. :830/03
 Report Date :22.03.2024
 Page: 2 of 2

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
9	Total Hardness as CaCO ₃	mg/l	196	200	600	2340 C
10	Calcium Hardness as CaCO ₃	mg/l	116	-	-	3500 - Ca B
11	Magnesium Hardness as CaCO ₃	mg/l	80	-	-	3500 - Mg B
12	Calcium as Ca	mg/l	46.49	75	200	3500 - Ca B
13	Magnesium as Mg	mg/l	19.44	30	100	3500 - Mg B
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	-	-	2320 B
15	Total Alkalinity as CaCO ₃	mg/l	188	200	600	2320 B
16	Chlorides as Cl	mg/l	108	250	1000	4500 Cl B
17	Sulfates as SO ₄	mg/l	42.0	200	400	4500 SO ₄ E
18	Total Iron as Fe	mg/l	0.13	0.3	0.3	3500 Fe- B
19	Silica (Reactive) as SiO ₂	mg/l	33.0	-	-	IS 3025: P.35:1988
20	Carbonate Hardness as CaCO ₃	mg/l	188	-	-	2340 A
21	Non-Carbonate Hardness as CaCO ₃	mg/l	8.0	-	-	2340 A
22	Free Residual Chlorine	mg/l	BLQ (LOQ=0.1)	0.2	**1	4500 Cl B

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification

** To be applicable only when water is chlorinated.

Remarks: The above submitted water sample complies with permissible limits of drinking water specification as per IS 10500:2012 with respect to the above tests.

Ref. Decision Rule: EES/QSP/012

----End of Report----



- NOTE: 1. Test results shown in this test report relate only to the items tested.
 2. This test report shall not be reproduced anywhere except in full and in same format without the Approval of the laboratory
 3. Unless informed by the customer the test items will not be retained for more than 10 days from The date of issue of test report (exceptional for Microbiology and wastewater for which retaining time 7 days.)



EKDANT ENVIRO SERVICES (P) LIMITED

NABL Accredited & MoEF Recognised Laboratory
An ISO 9001 : 2015 and OHSAS (ISO 45001 : 2018) Certified Company

No. R7/1, AVK Tower, North Main Road, Anna Nagar West Extn. Chennai - 600 101.

Phone : 044 - 2615 3349. Mobile : 94444 11178 / 94449 71649

E-mail : ekdantlab@gmail.com / ekdantfinance19@gmail.com

Web : www.ekdantlab.co.in

TEST REPORT					
Sample Ref No. : EES/W/703/03			Report No. : 832/03		
Issued To : The engineer in charge(C&MS), Civil-ATS,CEG,ESG,GSO Anupuram.			Report Date : 26.03.2024 Page: 1 of 1		
Sample Description : Water Sample Drawn By/ Date : Customer / 19.03.2024 Customer's Reference : Letter Dated On 19.03.2024 Sample Mark : RO Water (AECS III)			Received On : 19.03.2024 Commenced On : 19.03.2024 Completed On : 26.03.2024		
Sl. No	PARAMETERS	UNITS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	PROTOCOL
MICROBIOLOGICAL EXAMINATION					
1	Total Coliforms	100ml	Absent	shall not be detectable in any 100 ml	IS15185-2016
2	E.coli	100ml	Absent	shall not be detectable in any 100 ml	IS 15185-2016
Report Opinion: The above submitted water sample meets the requirement of drinking water specification as per IS 10500:2012 with respect to parameters tested above. Ref. Decision Rule: EES/QSP/012					

---End of Report---


Authorized Signatory

- NOTE:
1. Test results shown in this test report relate only to the items tested.
 2. This test report shall not be reproduce anywhere except in full and in same format without the Approval of the laboratory
 3. Unless informed by the customer the test items will not be retained for more than 10 days from The date of issue of test report (exceptional for Microbiology and wastewater for which retaining time 7 days.)