DISTRICT LABORATORY

Gujarat Water Supply & Sewerage Board

AHMEDABAD

GWSSB LABORATORIES

Test Report

*Name & Address of Customer:-

Principal

Kendriya Vidhyalaya ONGC, Chandkheda

Ahmedabad

Ahmedabad

382424

*Customer Reference No.:12029 Dt.24/06/2024

*Sample Submitted by :Customer

*Date of Sample Receipt :24-Jun-2024

Analysis Starting Date :25-Jun-2024

Analysis Completion Date :25-Jun-2024

Dicipline:Chemical Testing,Group:Drinking Water

Test Report No.: 75/2024-25	Date of Issue : 26-Jun-2024
Sample ID : ACW-75/06-2024	*Customer ID :Satisfactory
*Main Source :Ground Water	*Source :Tube Well
*Location :Kendriya Vidhyalaya	
*Village :Chandkheda	*Habitation :Chandkheda
*Taluka :Ahmedabad	*District :Ahmedabad
*Latitude :23.109109	*Longitude :72.584919
Kindly find herewith the Analytical Results.	Sample Type : Drinking Water

Sr.No.	Parameter	Unit	Reference Method :	Analytical Value
1	Colour	Hazen	APHA (24th Ed.2023), Method: 2120 C	<1
2	Odour	-	IS : 3025 (Part 5) - 2018	Agreeable
3	Taste	-	IS : 3025 (Part 8) - 1984	Agreeable
4	Turbidity	NTU	APHA (24th Ed.2023), Method: 2130 B	0.93
5	pH at 25^{0}C	-	APHA (24th Ed.2023) Method: 4500 H^+ B	6.92
6	Conductivity at 25^{0}C	µS/cm	APHA (24th Ed.2023) Method: 2510 B	279
7	Total Dissolved Solids(180°C)	mg/L	APHA (24th Ed.2023) Method: 2540 C	178
8	Total Hardness(as $CaCO_3$)	mg/L	APHA (24th Ed.2023) Method: 2340 C	80
9	Calcium (as Ca^{+2})	mg/L	APHA (24th Ed.2023) Method: 3500 Ca^{+2} B	10
10	Magnesium (as Mg^{+2})	mg/L	APHA (24th Ed.2023) Method: 3500-Mg^{+2} B	7
11	Chloride (as Cl^-)	mg/L	APHA (24th Ed.2023) Method: 4500-Cl^- B	88
12	Sulphate (as SO_4^{-2})	mg/L	APHA (24th Ed.2023) Method: 4500-SO_4^{-2} E	106
13	Nitrate (as NO_3^-)	mg/L	APHA (24th Ed.2023) Method: 4500-NO_3^- B	1.86
14	Fluoride (as F^-)	mg/L	APHA (24th Ed.2023) Method: 4500-F^- C	0.07
15	Total Alkalinity(as $CaCO_3$)	mg/L	APHA (24th Ed.2023) Method: 2320 B	64

This Report is issued under the following terms & Condition :

1. This report is referring only to the tested sample and for applicable parameter.
2. The sample will be destroyed after retention time unless otherwise specified specially.
3. This report is not to be reproduce wholly or in part, and can't be used be as evidence in court of law.
4. Please refer back page for IS 10500:2012 (2nd Revision) limits.
5. Details marked by * is provied by customer

Checked By:

Vaibhavi Prajapati
(Analyst)

DISTRICT LABORATORY NWRWS & K DEPARTMENT GOVT. OF GUJARAT GWSSB, AHMEDABAD

Issued By:

Mahima Pandya
(Co-Ordinator)

End of the Test Report

O.W.No. DLA/ 82 /of 2024,Dt. 26 / 6 /2024

5th Floor,Jalbhavan,Behind Town Hall,Ellisbridge,Ahmedabad-380006
TelePhone No.:-9978441113 to 17 E-mail: jalbhavan.lab@gmail.com

IS-10500:2012 (2nd Revision)			
Sr. No.	Parameter	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1	Colour, Hazen units, Max	5	15
2	Turbidity,NTU,Max	1	5
3	pH value	6.5 to 8.5	No relaxation
4	Conductivity at 25^0C	-	-
5	Total Dissolved Solids, mg/l, Max	500	2000
6	Total Hardness (as $CaCO_3$),mg/l, Max	200	600
7	Calcium (as Ca),mg/l, Max	75	200
8	Magnessium (as Mg),mg/l, Max	30	100
9	Chloride (as Cl),mg/l, Max	250	1000
10	Sulphate (as SO_4),mg/l, Max	200	400
11	Nitrate (as NO_3),mg/l, Max	45	No relaxation
12	Fluoride (as F),mg/l, Max	1	1.5
13	Total Alkalinity (as $CaCO_3$),mg/l, Max	200	600
14	Bacteriological (H2S test)	Bacteriological (H2S test)	
15	E. coli	MFT Technology	
16	Total coliform	MFT Technology	

DISTRICT LABORATORY, AHMEDABAD
O/O THE EX. ENGINEER,G.W.S S.B,
5th FLOOR, JALBHAVAN,B/H TOWN HALL,
ELLISBRIDGE,AHMEDABAD

GWSSB LABORATORIES

REPORT ON BACTERIOLOGICAL EXAMINATION OF WATER

Name & Address
Principal
Kendriya Vidhyalaya ONGC, Chandkheda
Ahmedabad

Sender's Ref. No. : 12029 Dt.24/06/2024
Ref. Date : 24-Jun-24
Date & Time of Commencing Examination : 24-Jun-24
Sample collected by : Customer

BW No.	19
Date of Collection	24-Jun-24
Date of Arrival at Lab.	24-Jun-24
Source of Water Sample	Kendriya Vidhyalaya
Village	Chandkheda
Habitation	Chandkheda
Taluka	Ahmedabad
District	Ahmedabad
APHA, AWWA, 9221-D Presence - Absence Coliform Test, @ 37° C	Absent
APHA, AWWA, 9221-F Presence - Absence E-Coli Test, @ 37° C	.....
MPN of coliform per 100 ml of sample at 37° C	**<2**
MPN of Faecal coliform per 100 ml of sample at 44° C	**<2**
Free Chlorine (PPM)	Nil
OPINION FOR POTABILITY :	Potable

Important Note:-

1) '>=' Indicates greater than or equal to, 2) '<' Indicates less than

NOTE : Table - 6 Bacteriological Quality of Drinking Water (BIS:10500:2012) : Second Rivision.
@ All Water Intended for Drinking -
(a) E.coli or Thermotolerant coliform bacteria shall not be detactable in any 100ml sample.
@ Treated Water Entering the Distribution system & Treated Water in the Distribution system -
(a) E.coli or Thermotolerant coliform bacteria shall not be detactable in any 100ml sample.
(b) Total coliform bacteria shall not be detactable in any 100ml sample.
@ 0.2ppm Free Residual Chlorine at consumer end is recommanded.

1) Test Report is issued for assessing Bacteriological Fitness as per the BIS 10500:2012 for the given Drinking Water Sample only.
2) This Report should not be taken as a basis to getting license from any Government authority.
3) After Collection of Bact. Sample, it must be preserved at 4°C and submitted to laboratory within 24hrs.

Outward No.: BAR / 83 / of 2024, Date: 26 / 6 / 2024

Laboratory In charge

E-mail:- jalbhavan.lab@gmail.com Phone No- 9978441113 to 9978441117 Extension :608

IS-10500:2012 (2nd Revision)			
Sr. No.	Parameter	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
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15	E. coli	MFT Technology	
16	Total coliform	MFT Technology	