Public Health Lab-2

VADODARA MUNICIPAL CORPORATION

PUBLIC HEALTH LABORATORY

1ST & 2ND Floor, Old Vuda Building, Fatehgunj , Vadodara - 390 002. Phone : 0265 - 278 14 33

REPORT ON SHORT PHYSICAL & CHEMICAL EXAMINATION OF WATER

To, GUJRAT PUBLIC SCHOOL
NR SWAMINARAYAN MANDIR ATLADRA

Test Report No. : PHL/PW/ 456/2024
Date : 29/4/2024
Date of Collection : 24/4/2024
Sample No. : **PW/0460/2024**

Source and Details of Sample : R.O.Water

Sr. No.	Characterisitc	Analytical Value	Permissible Value as per IS : 10500 : 2012	
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1.	Colour, Hazen Unit, Max	1.0	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Turbidity NTU, max	0.12	1	5
4.	pH Value	7.40	6.5 - 8.5	6.5 - 8.5
5.	Total Alkalinity (as $CaCO_3$), mg/L, Max	66	200	600
6.	Total Hardness (as $CaCO_3$), Mg/L, Max	50	200	600
7.	Calcium (as Ca), mg/L, Max	5.6	75	200
8.	Magnesium (as Mg), mg/L, Max	8.7	30	100
9.	Chloride (as Cl), mg/L, Max	20	250	1000
10.	Sulphate (as SO_4), mg/L, Max	9.0	200	400
11.	Nitrate (as NO_3), mg/L, Max	0.34	45	45
12.	Fluoride (as F), mg/L, Max	0.23	1.0	1.5
13.	Total Dissolved Solids mg/L, Max	76	500	2000
14.	Mineral oil mg/L, Max	----	0.5	0.5
15.	Ammonia (Sewage Contamination)	Absent	Absent	Absent
16.	Free Residual Chlorine mg/L, Min	NIL	0.2	1.0

Remark : (For Sr. No. : 16) to be applicable only when water is chlorinated. Tested at consumer end. When protection against viral infection is required, it should be minimum 0.5 mg/l

Opinion : The Water is Chemically Fit for Drinking Purpose.

BACTERIOLOGICAL QUALITY

Sr. No.	Organisms	Result	Requirements as per IS:10500:2012
1	E, Coli	Absent	shall not be detectable in any 100 ml sample

Opinion : The Water is Bacteriologically Fit for Drinking Purpose.

Vadodara Municipal Corporation Public Health Laboratory

Food Analyst
Vadodara Municipal Corporation
Vadodara

NOTE : The Sample was not Drawn by this Office