



VADODARA MUNICIPAL CORPORATION

PUBLIC HEALTH LABORATORY

Vadodara - 390 002, Phone : 0265 - 27 81 433

REPORT ON SHORT PHYSICAL & CHEMICAL EXAMINATION OF WATER

To, NAVRACHNA HIGHER SECONDARY SCHOOL
JYOTI COLONY SAMA ROAD VADODARA

Test Report No. : PHL/PW/1031/2022

Date : 29/9/2022

Date of Collection : 20/9/2022

Sample No. : PW/1007/2022

Source and Details of Sample : Borewell Water

Sr. No.	Characterisitic	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	Colourless	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Turbidity NTU, max	0.10	1	5
4.	pH Value	7.53	6.5 - 8.5	6.5 - 8.5
5.	Total Alkalinity (as CaCO ₃), mg/L, Max	120	200	600
6.	Total Hardness (as CaCO ₃), Mg/L, Max	24	200	600
7.	Calcium (as Ca), mg/L, Max	4.0	75	200
8.	Magnesium (as Mg), mg/L, Max	3.4	30	100
9.	Chloride (as Cl), mg/L, Max	26	250	1000
10.	Sulphate (as SO ₄), mg/L, Max	Nil	200	400
11.	Nitrate (as NO ₃), mg/L, Max	----	45	45
12.	Fluoride (as F), mg/L, Max	0.34	1.0	1.5
13.	Total Dissolved Solids mg/L, Max	149	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

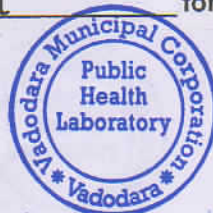
Remark : (For Sr. No. : 16) to be applicable only when water is chlorinated. Tested at consumer end. When protection against viral infection is required, it should be minimum 0.5 mg/l

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.



Food Analyst
Vadodara Municipal Corporation
Vadodara

NOTE : The Sample was not Drawn by this Office



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To, NAVRACHNA HIGHER SECONDARY SCHOOL
JYOTI COLONY SAMA ROAD VADODARA

Test Report No. : PHL/PW/1032/2022

Date : 29/9/2022

Date of Collection : 20/9/2022

Sample No. : PW/1008/2022

Source and Details of Sample : Corporation Water

Sr. No.	Characterisitic	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	Colourless	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Turbidity NTU, max	0.17	1	5
4.	pH Value	7.47	6.5 - 8.5	6.5 - 8.5
5.	Total Alkalinity (as CaCO ₃), mg/L, Max	144	200	600
6.	Total Hardness (as CaCO ₃), Mg/L, Max	124	200	600
7.	Calcium (as Ca), mg/L, Max	24	75	200
8.	Magnesium (as Mg), mg/L, Max	13	30	100
9.	Chloride (as Cl), mg/L, Max	34	250	1000
10.	Sulphate (as SO ₄), mg/L, Max	Nil	200	400
11.	Nitrate (as NO ₃), mg/L, Max	----	45	45
12.	Fluoride (as F), mg/L, Max	0.54	1.0	1.5
13.	Total Dissolved Solids mg/L, Max	181	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

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