



VADODARA MUNICIPAL CORPORATION

PUBLIC HEALTH LABORATORY

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

REPORT ON SHORT PHYSICAL & CHEMICAL EXAMINATION OF WATER

To, Shree Lt Col. (Dr. Prabhat Piyush)
O/C Health Sec. Military Hospital Vadodara

Test Report No. : PHL/PW/559/20 23

Date : 28/2/2023

Date of Collection : 22/2/2023

Source and Details of Sample : Borewell Water Nr. Staff Toilet (Male) K.V. School Sample No. : OT/025/2023

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	Colourless	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Turbidity NTU, max	0.10	1	5
4.	pH Value	7.80	6.5 - 8.5	6.5 - 8.5
5.	Total Alkalinity (as CaCO ₃), mg/L, Max	490	200	600
6.	Total Hardness (as CaCO ₃), Mg/L, Max	370	200	600
7.	Calcium (as Ca), mg/L, Max	56	75	200
8.	Magnesium (as Mg), mg/L, Max	55	30	100
9.	Chloride (as Cl), mg/L, Max	1020	250	1000
10.	Sulphate (as SO ₄), mg/L, Max	270	200	400
11.	Nitrate (as NO ₃), mg/L, Max	-----	45	45
12.	Fluoride (as F), mg/L, Max	0.98	1.0	1.5
13.	Total Dissolved Solids mg/L, Max	2118	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 Unfit for Drinking Purpose.

BACTERIOLOGICAL QUALITY

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

Opinion : The Water is Bacteriologically Unfit for Drinking Purpose.



Food Analyst

Vadodara Municipal Corporation
Vadodara

NOTE : The Sample was not Drawn by this Office