



**SURAT MUNICIPAL CORPORATION**  
**HYDRAULIC DEPARTMENT**  
**Central Laboratory**

LAB/OUT/No. 188  
Date : 25/2/2025

Khatodara Water Distribution Station. Udhna Magdalla Road, Surat-395002

Client Name	: Shri Ramkrishna Harikrishna Academy.		
Address	: Valak Patiya, Lasakana, Kamrej Road, Surat.		
Sample Collected by	: Shri Ramkrishna Harikrishna Academy.		
Location of Source	: Bore Well No.-2, Valak Patiya, Lasakana, Kamrej Road, Surat.		
Source of sample	: Treated Water (R/O)	Sample Receipt Date	: 24/2/2025
Sample condition	: Unsealed	Sample ID	: 250224-P02
Sampling Method	: Grab	Analysis starting Date	: 24/2/2025
Date of Sampling	: 24/2/2025	Analysis Completion Date	: 25/2/2025

**TEST REPORT**

Sr. No.	Test	UNIT	Method	Limit as per IS 10500 - 2012		Results
				Acceptable	Permissible	
1	Turbidity	NTU	IS : 3025 (Part 10) 1984 (Reaffirmed 2006)	1	5	0.40
2	pH Value	--	IS : 3025 (Part 2) 1983 (Reaffirmed 2002)	6.5 to 8.5	-	6.98
3	Residual Chlorine	mg/l	IS : 3025 (Part 26) 1986 (Reaffirmed 2009) & APHA 4500 Cl-G	0.2	1.0	< 0.1
4	Total Dissolved Solids	mg/l	APHA 2540 C Standard Method (22nd edition)	500	2000	192
5	Ammonical Nitrogen as NH <sub>3</sub> -N	mg/l	IS : 3025 (Part 34) 1988 (Reaffirmed 2003)	0.5	-	< 0.1
6	Total Hardness (as CaCO <sub>3</sub> )	mg/l	IS : 3025 (Part 21) 1983 (Reaffirmed 2009)	200	600	73
7	Alkalinity (as CaCO <sub>3</sub> )	mg/l	APHA 2320 B Standard Method (22nd edition)	200	600	77
8	Chloride (as Cl)	mg/l	APHA 4500 - Cl - B Standard Method (22nd edition)	250	1000	41
9	Sulphate (as SO <sub>4</sub> <sup>-2</sup> )	mg/l	APHA 4500 (SO <sub>4</sub> <sup>-2</sup> E Standard Method (22nd edition)	200	400	9
10	Acidity (as CaCO <sub>3</sub> )	mg/l	APHA 2310 B Standard Method (22nd edition)	-	-	7
11	Fluoride (as F)	mg/l	APHA 4500 F - D Standard Method (22nd edition)	1.0	1.5	0.18
12	Iron (as Fe)	mg/l	APHA 3500 Fe-B Standard Method (22nd edition)	0.3	1.0	< 0.1
13	Calcium (as Ca <sup>+2</sup> )	mg/l	Standard Methods - APHA & AWWA 22nd Ed. 3500 Ca - EDTA - Titrimetric	75	200	16
14	Magnesium (as Mg <sup>+2</sup> )	mg/l	Standard Methods - APHA & AWWA 22nd Ed. 3500 Mg - Calculation Method	30	100	8
15	Nitrate Nitrogen (as NO <sub>3</sub> )	mg/l	APHA 4500 - NO <sub>3</sub> - B Standard Method (22nd edition)	45	-	9.4
16	Colour	Pt. CO	APHA 2120 C Standard Method (22nd edition)	5	15	00
17	Total Solid	mg/l	APHA 2540 B Standard Method (22nd edition)	-	-	202
18	Total Suspended Solid	mg/l	APHA 2540 D Standard Method (22nd edition)	-	-	10
19	Conductivity	μS/cm	APHA 2510 B Standard Method (22nd edition)	-	-	350
20	Dissolved Oxygen	mg/l	APHA 4500 O C Standard Method (22nd edition)	-	-	6.3

**Opinion:** - The result indicates that the sample water is **POTABLE** for the tested parameters.

Jr. Chemist / Chemist  
CENTRAL LAB

Environment Engineer  
CENTRAL LAB

Hydraulic Engineer  
Surat Municipal Corporation

**Note:**

1. Above results represents the analysis report pertaining to the sample analysed and does not represent or certify the entire quantity from where sample has been withdrawn.
2. The Result shown in the test report may defer based on various factors including Temperature, Humidity, Pressure, Retention Time etc.
3. The test report cannot be used as evidence in the court of law and reproduced in full or part without the approval of the Central laboratory, Hydraulic Department, Surat Municipal Corporation.
4. Sample will be retained for a period of Seven (7) days following testing.

-----End of Test Report-----



**SURAT MUNICIPAL CORPORATION**  
**HYDRAULIC DEPARTMENT**  
**Central Laboratory**

LAB/OUT/No. 187

Date : 25/2/2025

Khatodara Water Distribution Station. Udhna Magdalla Road, Surat-395002

Client Name	: Shri Ramkrishna Harikrishna Academy.		
Address	: Valak Patiya, Lasakana, Kamrej Road, Surat.		
Sample Collected by	: Shri Ramkrishna Harikrishna Academy.		
Location of Source	: Bore Well No.-1, Valak Patiya, Lasakana, Kamrej Road, Surat.		
Source of sample	: Treated Water (R/O)	Sample Receipt Date	: 24/2/2025
Sample condition	: Unsealed	Sample ID	: 250224-P01
Sampling Method	: Grab	Analysis starting Date	: 24/2/2025
Date of Sampling	: 24/2/2025	Analysis Completion Date	: 25/2/2025

**TEST REPORT**

Sr. No.	Test	UNIT	Method	Limit as per IS 10500 - 2012		Results
				Acceptable	Permissible	
1	Turbidity	NTU	IS : 3025 (Part 10) 1984 (Reaffirmed 2006)	1	5	0.37
2	pH Value	--	IS : 3025 (Part 2) 1983 (Reaffirmed 2002)	6.5 to 8.5	-	7.05
3	Residual Chlorine	mg/l	IS : 3025 (Part 26) 1986 (Reaffirmed 2009)& APHA 4500 Cl-G	0.2	1.0	< 0.1
4	Total Dissolved Solids	mg/l	APHA 2540 C Standard Method (22nd edition)	500	2000	234
5	Ammonical Nitrogen as NH <sub>3</sub> -N	mg/l	IS : 3025 (Part 34) 1988 (Reaffirmed 2003)	0.5	-	< 0.1
6	Total Hardness (as CaCO <sub>3</sub> )	mg/l	IS : 3025 (Part 21) 1983 (Reaffirmed 2009)	200	600	60
7	Alkalinity (as CaCO <sub>3</sub> )	mg/l	APHA 2320 B Standard Method (22nd edition)	200	600	80
8	Chloride (as Cl)	mg/l	APHA 4500 - Cl -B Standard Method (22nd edition)	250	1000	65
9	Sulphate (as SO <sub>4</sub> <sup>-2</sup> )	mg/l	APHA 4500 (SO <sub>4</sub> <sup>-2</sup> E Standard Method (22nd edition)	200	400	9
10	Acidity (as CaCO <sub>3</sub> )	mg/l	APHA 2310 B Standard Method (22nd edition)	-	-	7
11	Fluoride (as F)	mg/l	APHA 4500 F - D Standard Method (22nd edition)	1.0	1.5	0.17
12	Iron (as Fe)	mg/l	APHA 3500 Fe-B Standard Method (22nd edition)	0.3	1.0	< 0.1
13	Calcium (as Ca <sup>+2</sup> )	mg/l	Standard Methods - APHA & AWWA 22nd Ed. 3500 Ca - EDTA -Titrimetric	75	200	12
14	Magnesium (as Mg <sup>+2</sup> )	mg/l	Standard Methods - APHA & AWWA 22nd Ed. 3500 Mg - Calculation Method	30	100	7
15	Nitrate Nitrogen (as NO <sub>3</sub> )	mg/l	APHA 4500 - NO <sub>3</sub> -B Standard Method (22nd edition)	45	-	8.9
16	Colour	Pt. CO	APHA 2120 C Standard Method (22nd edition)	5	15	00
17	Total Solid	mg/l	APHA 2540 B Standard Method (22nd edition)	-	-	246
18	Total Suspended Solid	mg/l	APHA 2540 D Standard Method (22nd edition)	-	-	12
19	Conductivity	μS/cm	APHA 2510 B Standard Method (22nd edition)	-	-	426
20	Dissolved Oxygen	mg/l	APHA 4500 O C Standard Method (22nd edition)	-	-	6.2

**Opinion:** - The result indicates that the sample water is **POTABLE** for the tested parameters.

*Re*  
Jr. Chemist / Chemist  
CENTRAL LAB

*Asst*  
Environment Engineer  
CENTRAL LAB

*Eng*  
Hydraulic Engineer  
Surat Municipal Corporation

**Note:**

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-----End of Test Report-----