

**Copy of the Certificate received from Surat Municipal Corporation
regarding Water, Health and Sanitation**

LAB/OUT/No. : 217
Date : 22/3/2021



**SURAT MUNICIPAL CORPORATION
HYDRAULIC DEPARTMENT
Central Laboratory**

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

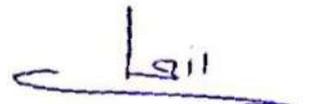
Source Of Sample	: Shree Gurukrupa Vidhya Sankul. 65/2, Nr. Monarch Work Shop, Bh. Gayatry Soc.-2, Udhna Gam, Surat. (Location of Source: SMC Tap Connection)		
Type of Sample	: Tap Water		
Sample Collected by	: Party	Date & Time	: 20/3/2021 & 4:00 PM
Sample Received Date	: 20/3/2021	Sample ID	: 210320-P01
Sample Condition:	: -	Date of Analysis Start	: 20/3/2021
Type of Sampling	: Grab	Date of Completion	: 21/3/2021
Protocol	: Analysis	Sampling Method	: --

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	0.71
2	pH Value	-	IS : 3025 (Part 2) 1983 (Reaffirmed 2002)	6.5 to 8.5	-	7.93
3	Residual Chlorine	mg/l	IS : 3025 (Part 26) 1988 (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	172
5	Ammonical Nitrogen (as NH ₃ -N)	mg/l	IS : 3025 (Part 34) 1988 (Reaffirmed 2003)	0.5	-	<0.1
6	Total Hardness (as CaCO ₃)	mg/l	IS : 3025 (Part 21) 1983 (Reaffirmed 2009)	200	600	109
7	Alkalinity (as CaCO ₃)	mg/l	APHA 2320 B Standard Method (22nd edition)	200	600	88
8	Chloride (as Cl ⁻)	mg/l	APHA 4500 - Cl - B Standard Method (22nd edition)	250	1000	39
9	Nitrate Nitrogen (as NO ₃ ⁻)	mg/l	APHA 4500 - NO ₃ ⁻ - B Standard Method (22nd edition)	45	100	2.6
10	Colour	Pt. CO	APHA 2120 C Standard Method (22nd edition)	5	15	00
11	Total Solid	mg/l	APHA 2540 B Standard Method (22nd edition)	-	-	180
12	Total Suspended Solid	mg/l	APHA 2540 D Standard Method (22nd edition)	-	-	8
13	Dissolved Oxygen	mg/l	APHA 4500 O C Standard Method (22nd edition)	-	-	7.96



Principal
Shree Gurukrupa Vidhya Sankul, Surat.
CBSE Aff'n No.430323, School Code:10300


Mr. Mukesh Patel
Chairman
Shree Gurukrupa Vidya Sankul

14	Acidity	mg/l	APHA 2310 B Standard Method (22nd edition)	-	-	8
15	Conductivity	µS/cm	APHA 2510 B Standard Method (22nd edition)	-	-	298
16	Calcium (as Ca ⁺²)	mg/l	Standard Methods – APHA & AWWA 22nd Ed. 3500 Ca – EDTA – Titrimetric	75	200	10
17	Magnesium (as Mg ⁺²)	mg/l	Standard Methods – APHA & AWWA 22nd Ed. 3500 Mg – Calculation Method	30	100	20
18	Iron (as Fe)	mg/l	APHA 3500 Fe-B Standard Method (22nd edition)	0.3	1.0	0.27
19	Fluoride (as F)	mg/l	APHA 4500 F – D Standard Method (22nd edition)	1.0	1.5	0.33
20	Sulphate (as SO ₄)	mg/l	APHA 4500 (SO ₄) ²⁻ E Standard Method (22nd edition)	200	400	9

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


Jr. Chemist
CENTRAL LAB


AUTHORIZED SIGNATORY
Environmental Engineer (TM)
CENTRAL LAB

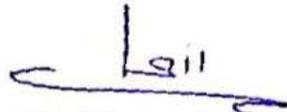

Hydraulic Engineer
Surat Municipal Corporation

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-----


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