

VISHAL ANALYTICAL LABORATORY, AHMEDABAD

SOIL AND WATER ANALYSIS

113, MALAY TENAMENT
NR VASNA BARRAGE,
AHMEDABAD 380007
PHONE : 9879505587

Jitendra Gandhi
M.Sc (In Org)
Monika Sheth
B.Sc. (Micro)

Test Report

TEST REPORT NO	530	R.O. Water
LAB ID NO	530	
SAMPLE DESCRIBE AS	WATER SAMPLE	FOR TESTING
SAMPLE SUBMITTED BY	TO, The Principal Shri, ZEBAR SCHOOL (Z.S.F.C) Thaltej Shilaj Road, Ahmedabad	
DATE OF RECEIPT	04-11-2025	
DATE OF ISSUE	07-11-2025	
CONDITION OF SAMPLE	1 LITER WATER SAMPLE IN PLASTIC BOTTLE	
ANALYSIS DATE	05-11-2025	

TEST RESULT AS PER IS : 10500 - 2012

Sr. no	Characteristic examined	Requirement (acceptable limit)	Permissible limit in the absence of alternate source	Method of test	Result	Detection limit
1	Electrical conductivity (mm per cms) at 25°C	Max 750	Max. 3000	IS:3025(p-16)2002	180	5
2	pH at 25°C	6.5 - 8.5	No Relaxation	IS:3025(p-11)1983	7.06	0.1
3	Total Dissolved solids mg/l	Max. 500	Max. 2000	IS:3025(p-16)2002	120	5
4	Colour Hazen Unit (co - pt)	Max. 5	Max. 15	IS:3025(p-4)1983	CLEAR	1
5	Odour	AGREEABLE	AGREEABLE	IS:3025(p-5)1983	Agreeable	-
6	Taste	AGREEABLE	AGREEABLE	IS:3025(p-7&8)1984	Agreeable	-
7	Turbidly NTU	Max. 1	Max. 5	IS:3025(p-10)1984	NIL	0.1
8	Calcium (as Ca) mg/L	Max. 75	Max. 200	IS:3025(p-40)1991	10	0.1
9	Magnesium (as Mg) mg/L	Max.30	Max. 100	IS:3025(p-53)2003	6	0.1
10	Sodium (as Na) mg/L	Max.200	Max. 500	IS:3025(p-45)1991	18-4	1
11	Potassium (as K) mg/L	Max. 12	Max. 20	IS:3025(p-47)1991	NIL	1
12	Carbonate (as Co3) mg/L	Max.200	Max. 600	IS:3025(p-23)1983	NIL	0.1
13	BL - Carbonate (as Hco3) mg/L	Max. 200	Max. 600	IS:3025(p-23)1983	48.8	0.1
14	Sulphate (as SO4) mg/L	Max. 200	Max.400	IS:3025(p-24)1986	4.8	0.5
15	Chloride (as Cl) mg/L	Max. 250	Max. 1000	IS:3025(p-32)1988	32	0.5
16	Fluoride (25 F) mg/L	Max. 1.0	Max. 1.5	IS:3025(p-60)2008	NIL	0.25
17	Nitrate (as No3) mg/L	Max. 45	No Relaxation	IS:3025(p-34)1988	NIL	1
18	Total Hardness(as CaCO3) mg/L	Max. 200	Max. 600	IS:3025(p-21)2009	50	1
19	Total Alkalinity (as CaCO3) mg/L	Max. 200	Max. 600	IS:3025(p-23)1983	50	0.1
20	Total colloform per 100 ml	Shall not be detectable		IS:1622-1981 Reaff.2003	Absent -	≥2 MPN

Note:

1. From the parameters analysed above the water sample is found to be potable chemically.

~~2. Required R.D. treatment convert into potable chemically.~~

2. This is R.O. Water.

For Vishal Laboratory

(B) - S - H

Auth. Signatory

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2. Sample drwan & submitted by the party for analysis unless otherwise stated.

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4. Subject to Ahmedabad Jurisdiction.

5. Perishable samples will be destroyed after testing, others after three weeks from the date of issue of the report, unless otherwise agreed with the customer.

6. The sample is accepted by us subject to our general conditions of service which is displayed at reception notice Board & is also available on request.

Attention is drawn to the limitation of liabilities, indemnification and jurisdictional issues etc defined therein.

7. Customer requested for the above test only.

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Test Report

TEST REPORT NO	529	TUBEWELL WATER
LAB ID NO	529	
SAMPLE DESCRIBE AS	WATER SAMPLE	FOR TESTING
SAMPLE SUBMITTED BY	TO, the Principal Shri, ZEBAR SCHOOL CZ. S.F.C.) Thaltej Shilaj Road Ahmedabad	
DATE OF RECEIPT	04-11-2025	
DATE OF ISSUE	07-11-2025	
CONDITION OF SAMPLE	1 LITER WATER SAMPLE IN PLASTIC BOTTLE	
ANALYSIS DATE	05-11-2025	

TEST RESULT AS PER IS : 10500 - 2012

Sr. no	Characteristic examined	Requirement (acceptable limit)	Permissible limit in the absence of alternate source	Method of test	Result	Detection unit
1	Electrical conductivity (mm per cms) at 25°C	Max 750	Max. 3000	IS:3025(p-16)2002	3300	5
2	pH at 25°C	6.5 – 8.5	No Relaxation	IS:3025(p-11)1983	8.31	0.1
3	Total Dissolved solids mg/l	Max. 500	Max. 2000	IS:3025(p-16)2002	2250	5
4	Colour Hazen Unit (co - pt)	Max. 5	Max. 15	IS:3025(p-4)1983	CLEAR	1
5	Odour	AGREEABLE	AGREEABLE	IS:3025(p-5)1983	Agreeable	-
6	Taste	AGREEABLE	AGREEABLE	IS:3025(p-7&8)1984	Agreeable	-
7	Turbidity NTU	Max. 1	Max. 5	IS:3025(p-10)1984	TUR	0.1
8	Calcium (as Ca) mg/L	Max. 75	Max. 200	IS:3025(p-40)1991	45	0.1
9	Magnesium (as Mg) mg/L	Max.30	Max. 100	IS:3025(p-53)2003	63	0.1
10	Sodium (as Na) mg/L	Max.200	Max. 500	IS:3025(p-45)1991	582	1
11	Potassium (as K) mg/L	Max. 12	Max. 20	IS:3025(p-47)1991	7.2	1
12	Carbonate (as Co3) mg/L	Max.200	Max. 600	IS:3025(p-23)1983	12	0.1
13	BL – Carbonate (as Hco3) mg/L	Max. 200	Max. 600	IS:3025(p-23)1983	647	0.1
14	Sulphate (as SO4) mg/L	Max. 200	Max.400	IS:3025(p-24)1986	390	0.5
15	Chloride (as Cl) mg/L	Max. 250	Max. 1000	IS:3025(p-32)1988	496	0.5
16	Fluoride (25 F) mg/L	Max. 1.0	Max. 1.5	IS:3025(p-60)2008	0.91	0.25
17	Nitrate (as No3) mg/L	Max. 45	No Relaxation	IS:3025(p-34)1988	6.40	1
18	Total Hardness(as CaCO3) mg/L	Max. 200	Max. 600	IS:3025(p-21)2009	375	1
19	Total Alkalinity (as CaCO3) mg/L	Max. 200	Max. 600	IS:3025(p-23)1983	659	0.1
20	Total coliform per 100 ml		Shall not be detectable	IS:1622-1981 Reaff.2003	B D L	≥2 MPN

Note:

1. From the parameters analysed above the water sample is found to be potable chemically.
2. Required R.O. treatment Convert into potable Chemically.

NOT

For Vishal Laboratory

(B) - S - A

Auth. Signatory

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