



TC-5722

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Test Report

Nature of sample :- Drinking Water Sample / Others		Not sampled by State Research Lab		Unique Identification No.	534
Sender's name and address		Sender's letter no.		Sender's letter Date	14/11/24
TO,		SRL Ref. No		SRL receipt date	14/11/24
Riverton Valley School 61,		Date of analysis started		Date of analysis completed	18/11/24
Bilkariya khurd, Salaiya Near By		Quantity Of sample			
Aakriti Ecocity Bhopal.		Ok			

Sample details

No.	Particulars of Samples
1.	BOREWELL WATER SAMPLE

RESULTS

Field.. Testing		Discipline..Chemical	Group..Water		Sub. Group..Drinking Water			
No.	Characteristics/ Unit	test methods	BIS -10500:2012 Reaffirmed in Sep 2022		Results			
			Desirable Limit	Permissible Limit	1			
	2		5	6				
	3	4						
1	Colour in Hazen scale	-	5	15	NIL			
2	Iron as Fe mg/l	APHA 23 rd edition, 3500-Fe B	1.0	1.0	0.15			
3	Nitrate as NO ₃ mg/l	APHA 23 rd edition, 4500 NO ₃ -B	45	45	23.63			
4	Fluoride as F mg/l	APHA 23 rd edition, 4500-F-C	1.0	1.5	0.30			
5	Chloride as Cl mg/l	APHA 23 rd edition, 4500 Cl-B	250	1000	30			
6	Total Alkalinity as CaCO ₃ mg/l	APHA 23 rd edition, 2320 B	200	600	340			
7	Calcium as Ca++ mg/l	APHA 23 rd edition, 3500 Ca-B	75	200	72			
8	Magnesium as Mg++ mg/l	APHA 23 rd edition, 3500 Mg-	30	100	38.88			
9	Sulphate as SO ₄ mg/l	BIS:3025 (Part -24)	200	400	10.0			
10	pH pH Value at 25°C	APHA 23 rd edition 4500-H + B	6.5 to 8.5	6.5 to 8.5	8.21			
11	Turbidity in NTU	APHA 23 rd edition, 2130 B	1.0	5.0	1.4			
12	Total hardness as CaCO ₃ mg/l	APHA 23 rd edition, 2340 C	200	600	342			
13	Conductivity at 25°C (S/m)	APHA 23 rd edition, 2510 B	-	-	762			
14	TDS By meter mg/l	APHA 23 rd edition, 2510 B	500	2000	450			
15	Manganese as Mg/l	Mn APHA 23 rd edition 3500-mn-B	0.1	0.3	BDL			

- This report should not be produced partly or full without approval of signatory authority for legal purposes.-
- It is recommended that acceptable limit is to be implemented. Values in excess of those mentioned under "acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but upto the limits indicated under the "permissible limit in the absence of alternate source" in column 4, above which the sources will have to be rejected.
- The results refer only to tested samples and parameters tested
- Samples will be stored for a period of 15 days from the date of issue of report.
- This lab does not hold any responsibility for variation in results for samples kept on hold for want of clarification.

Signature
Reviewed By

Signature
CHIEF CHEMIST
STATE RESEARCH LABORATORY
P. H. E. DEPARTMENT BHOPAL

Issue No. 644 /S.R.L./PHED/BPL /2024 Issue Date 18/11/24



Test Report

Nature of sample :- Drinking Water Sample / Others		Not sampled by State Research Lab		Unique Identification No.	534-A
Sender's name and address TO, Riverton Valley School 61, Bilkariya khurd, Salaiya Near By Aakriti Ecocity Bhopal.	Sender's letter no.		-	Sender's letter Date	14/11/24
	SRL Ref. No		711	SRL receipt date	14/11/24
	Date of analysis started		14/11/24	Date of analysis completed	18/11/24
	Quantity Of sample		Ok		

Sample details

No.	Particulars of Samples
1.	BOREWELL WATER SAMPLE

RESULTS

Field.. Testing		Discipline..Chemical	Group..Water		Sub. Group..Drinking Water			
No.	Characteristics/ Unit	test methods	BIS -10500:2012 Reaffirmed in Feb. 2021		Results			
			Desirable Limit	Permissible Limit	1			
1	2 3	4	5	6				
1	Temperature in degree C	-	--	--	25°C			
2	Odour	-	Objectionable	Unobjectionable	-	-	-	
3	Phenolphthalein Alkalinity as caCO3 mg/l	APHA 23 nd edition, 2320 B	-	-	-	-	-	
4	Sodium as Na mg/l	APHA 23 nd edition, 3500 - Na B	-	-	-	-	-	
5	Potassium as K mg/l	APHA 23 nd edition, 3500 - K B	-	-	-	-	-	
6	Dissolved Oxygen mg/l	-	-	-	-	-	-	
7	Chemical Oxygen Demand (COD)mg/l	-	-	-	-	-	-	
8	Biological Oxygen Demand (BOD) mg/l	-	-	-	-	-	-	
9	Jar Test for Alum & lime dosing fixation mg/l	-	-	-	-	-	-	
10	Purity of Alum	-	-	-	-	-	-	
11	Purity of Lime	-	-	-	-	-	-	
12	Purity of Bleaching	-	-	-	-	-	-	
13	Chlorine test Demand	-	-	-	-	-	-	
14	Total coliform per 100 ml	APHA 23 nd edition, 9211 B	NIL for treated water and water in distribution system		-	-	-	
15	Faecal Coliform (TTC) per 100 ml	APHA 23 nd edition, 9211 B	NIL	NIL	NIL	-	-	

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2. It is recommended that acceptable limit is to be implemented. Values in excess of those mentioned under "acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but upto the limits indicated under the "permissible limit in the absence of alternate source" in column 4, above which the sources will have to be rejected.
3. The results refer only to tested samples and parameters tested
4. Samples will be stored for a period of 15 days from the date of issue of report.
5. This lab does not hold any responsibility for variation in results for samples kept on hold for want of clarification.
6. This report show only Non NABL parameters.

Reviewed By

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