



TC-5722

State Research Laboratory, (SRL)
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Test Report

Nature of sample :- Drinking Water Sample / Others		Not sampled by State Research Lab		Unique Identification No.	221
Sender's name and address To, Sagar Public School Dwarka Dham Near RGPV, Airport bypass road, Gram Badwai, Tehsil Huzur, Distt Bhopal (462038)	Sender's letter no.		-	Sender's letter Date	12/07/2023
	SRL Ref. No		289	SRL receipt date	12/07/2023
	Date of analysis started		12/07/2023	Date of analysis completed	13/07/2023
	Quantity Of sample		Ok		

Sample details

No.	Particulars of Samples
1.	BoreWell WATER SAMPLE

RESULTS

No.	Characteristics/ Unit	test methods	BIS -10500:2012 Reaffirmed in Sep 2022		Results				
			Desirable Limit	Permissible Limit	1				
1	2 3	4	5	6					
1	Colour in Hazen scale	-	5	15	Nil				
2	Iron as Fe mg/l	APHA 23 nd edition, 3500-Fe B	1.0	1.0	0.28				
3	Nitrate as NO ₃ mg/l	APHA 23 nd edition, 4500 NO ₃ -B	45	45	1.240				
4	Fluoride as F mg/l	APHA 23 nd edition, 4500-F-C	1.0	1.5	0.124				
5	Chloride as Cl mg/l	APHA 23 nd edition, 4500 Cl-B	250	1000	24				
6	Total Alkalinity as CaCO ₃ mg/l	APHA 23 nd edition, 2320 B	200	600	44				
7	Calcium as Ca++ mg/l	APHA 23 nd edition, 3500 Ca-B	75	200	18.4				
8	Magnesium as Mg++ mg/l	APHA 23 nd edition, 3500 Mg-	30	100	5.28				
9	Sulphate as SO ₄ mg/l	BIS:3025 (Part -24)	200	400	5.62				
10	pH pH Value at 25°C	APHA 23 nd edition 4500-H + B	6.5 to 8.5	6.5 to 8.5	6.69				
11	Turbidity in NTU	APHA 23 nd edition, 2130 B	1.0	5.0	0.9				
12	Total hardness as CaCO ₃ mg/l	APHA 23 nd edition, 2340 C	200	600	68				
13	Conductivity at 25°C (S/m)	APHA 23 nd edition, 2510 B	-	-	185				
14	TDS By meter mg/l	APHA 23 nd edition, 2510 B	500	2000	110				
15	Manganese as Mg/l	Mn APHA 23 nd edition 3500-mn-B	0.1	0.3	BDL				

1. This report should not be produced partly or full without approval of signatory authority for legal purposes.-
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.

Reviewed By

Issue No. 291 /S.R.L./PHED/BPL/2023 Issue Date 13-7-2023



CHIEF CHEMIST

STATE RESEARCH LABORATORY
P. H. E. DEPARTMENT BHOPAL

PRINCIPAL
SAGAR PUBLIC SCHOOL
DWARKA DHAM, BHOPAL (M.P.)

Test Report

Nature of sample :- Drinking Water Sample / Others		Not sampled by State Research Lab	Unique Identification No.	221-A
Sender's name and address To, Sagar Public School Dwarka Dham Near RGPV, Airport bypass road, Gram Badwai, Tehsil Huzur, Distt Bhopal (462038)	Sender's letter no.	-	Sender's letter Date	11/07/2023
	SRL Ref. No	289	SRL receipt date	12/07/2023
	Date of analysis started	12/07/2023	Date of analysis completed	13/07/2023
	Quantity Of sample	Ok		

Sample details

No.	Particulars of Samples
1.	BoreWell WATER SAMPLE

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 caCO ₃ 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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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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