



TC-5227

ULR No.	TC		5	7	2	2	2	2	0	0	0	0	0	0	1	6	3	F
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**Test Report**

Nature of sample :- Drinking Water Sample / Others		Not sampled by State Research Lab		Unique Identification No.		272			
Sender's name and address प्रति, बाल भवन स्कूल (प्राचार्य) श्यामला हिल्स भोपाल		Sender's letter no.		-		Sender's letter Date		27/07/22	
		SRL Ref. No		633		SRL receipt date		27/07/22	
		Date of analysis started		27/07/22		Date of analysis completed		1/08/22	
		Quantity Of sample		Ok					

**Sample details**

No.	Particulars of Samples
1.	R.O water sample
2	

Field.. Testing                      Discipline..Chemical                      Group..Water                      Sub. Group..Drinking Water

**RESULTS**

No.	Characteristics/ Unit	test methods	BIS -10500:2012 Reaffirmed in Feb. 2021		Results					
			Desirable Limit	Permissible Limit	1	2	3	4	5	
1	2 3	4	5	6						
1	Iron as Fe mg/l	APHA 23 <sup>nd</sup> edition, 3500-Fe B	1.0	1.0	0.15	✓				
2	Nitrate as NO <sub>3</sub> mg/l	APHA 23 <sup>nd</sup> edition, 4500 NO <sub>3</sub> -I	45	45	5.022	✓				
3	Fluoride as F mg/l	APHA 23 <sup>nd</sup> edition, 4500-F-C	1.0	1.5	0.22	✓				
4	Chloride as Cl mg/l	APHA 23 <sup>nd</sup> edition, 4500 Cl-B	250	1000	35	✓				
5	Total Alkalinity as CaCO <sub>3</sub> mg/l	APHA 23 <sup>nd</sup> edition, 2320 B	200	600	36	✓				
6	Calcium as Ca <sup>++</sup> mg/l	APHA 23 <sup>nd</sup> edition, 3500 Ca-B	75	200	12.8	✓				
7	Magnesium as Mg <sup>++</sup> mg/l	APHA 23 <sup>nd</sup> edition, 3500 Mg-	30	100	5.76	✓				
8	Sulphate as SO <sub>4</sub> mg/l	BIS:3025 (Part -24 )	200	400	16.40	✓				
9	pH pH scale	APHA 23 <sup>nd</sup> edition 4500-H + B	6.5 to 8.5	6.5 to 8.5	7.91	✓				
10	Turbidity in NTU	APHA 23 <sup>nd</sup> edition, 2130 B	1.0	5.0	1.0	✓				
11	Total hardness as CaCO <sub>3</sub> mg/l	APHA 23 <sup>nd</sup> edition, 2340 C	200	600	56	✓				
12	Conductivity at 25°C micromhos /cm	APHA 23 <sup>nd</sup> edition, 2510 B	-	-	229	✓				
13	Manganese as Mg/l	Mn APHA 23 <sup>nd</sup> edition 3500-mn-B	0.1	0.3	0.0	✓				

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 5 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

(S.K.Tripathi)  
Chief Chemist/Quality Manager  
STATE RESEARCH LABORATORY  
P. H. E. DEPARTMENT BHOPAL

Issue No. 639 /S.R.L./PHED/BPL /2022 Issue Date 01/08/2022



**Test Report**

Nature of sample :- Drinking Water Sample / Others		Not sampled by State Research Lab		Unique Identification No.	272
Sender's name and address: प्रति, बाल भवन स्कूल (प्राचार्य) श्यामला हिल्स भोपाल		Sender's letter no.	-	Sender's letter Date	27/07/22
		SRL Ref. No	633	SRL receipt date	27/07/22
		Date of analysis started	27/07/22	Date of analysis completed	1/08/22
		Quantity Of sample	Ok		

**Sample details**

No.	Particulars of Samples
1.	<b>R.O water sample</b>
2.	

**RESULTS**

No.	Characteristics/ Unit	test methods	BIS -10500:2012 Reaffirmed in Feb. 2021		Results			
			Desirable Limit	Permissible Limit	1	2		
1	2 3	4	5	6				
1	Temperature in degree C	-	--	--	25°C	25°C		
2	Colour in Hazen scale	-	5	15	-	-		
3	Odour	-	Objectionable	Unobjectionable	-	-		
4	TDS By meter mg/l	APHA 23 <sup>nd</sup> edition, 2510 B	500	2000	135	-		
5	Phenolphthalein Alkalinity as caCO <sub>3</sub> mg/l	APHA 23 <sup>nd</sup> edition, 2320 B	-	-	NIL	-		
6	Sodium as Na mg/l	APHA 23 <sup>nd</sup> edition, 3500 -Na B	-	-	-	-		
7	Potassium as K mg/l	APHA 23 <sup>nd</sup> edition, 3500 -K B	-	-	-	-		
8	Dissolved Oxygen mg/l	-	-	-	-	-		
9	Chemical Oxygen Demand (COD)mg/l	-	-	-	-	-		
10	Biological Oxygen Demand (BOD) mg/l	-	-	-	-	-		
11	Jar Test for Alum & lime dosing fixation mg/l	-	-	-	-	-		
12	Purity of Alum	-	-	-	-	-		
13	Purity of Lime	-	-	-	-	-		
14	Purity of Bleaching	-	-	-	-	-		
15	Chlorine test Demand	-	-	-	-	-		
16	Total coliform per 100 ml	APHA 23 <sup>nd</sup> edition, 9211 B	NIL for treated water and water in distribution system		-	-		
17	Faecal Coliform (TTC) per 100 ml	APHA 23 <sup>nd</sup> edition, 9211 B	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

11/8/22  
(S.K.Tripathi)

Chief Chemist/Quality Manager  
STATE RESEARCH LABORATORY  
P. H. E. DEPARTMENT BHOPAL

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