



TC-5227

State Research Laboratory, (SRL)  
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Format No. SRL/PHED/BPL/4.1

ULR No. TC 5 7 2 2 2 2 0 0 0 0 0 0 2 3 8 F

**Test Report**

Nature of sample :- Drinking Water Sample / Others		Not sampled by State Research Lab		Unique Identification No. 474	
Sender's name and address <b>TO,</b> <b>Asnani School</b> <b>near Pable bey colony</b> <b>katara hills, baghmugaliya</b> <b>bhopal</b>		Sender's letter no. -		Sender's letter Date 19/10/2022	
		SRL Ref. No 870		SRL receipt date 19/10/2022	
		Date of analysis started 19/10/2022		Date of analysis completed 20/10/2022	
		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 5	Permissible Limit 6	1	2	3	4	5	
1	2 3	4								
1	Iron as Fe mg/l	APHA 23 <sup>nd</sup> edition, 3500-Fe B	1.0	1.0	1.12					
2	Nitrate as NO3 mg/l	APHA 23 <sup>nd</sup> edition, 4500 NO <sub>3</sub> -I	45	45	11.25					
3	Fluoride as F mg/l	APHA 23 <sup>nd</sup> edition, 4500-F-C	1.0	1.5	0.28					
4	Chloride as Cl mg/l	APHA 23 <sup>nd</sup> edition, 4500 Cl-B	250	1000	40					
5	Total Alkalinity as CaCO <sub>3</sub> mg/l	APHA 23 <sup>nd</sup> edition, 2320 B	200	600	50					
6	Calcium as Ca <sup>++</sup> mg/l	APHA 23 <sup>nd</sup> edition, 3500 Ca-B	75	200	12.0					
7	Magnesium as Mg <sup>++</sup> mg/l	APHA 23 <sup>nd</sup> edition, 3500 Mg-	30	100	4.8					
8	Sulphate as SO <sub>4</sub> mg/l	BIS:3025 (Part -24 )	200	400	14.60					
9	pH pH scale	APHA 23 <sup>nd</sup> edition 4500-H + B	6.5 to 8.5	6.5 to 8.5	7.06					
10	Turbidity in NTU	APHA 23 <sup>nd</sup> edition, 2130 B	1.0	5.0	1.1					
11	Total hardness as CaCO <sub>3</sub> mg/l	APHA 23 <sup>nd</sup> edition, 2340 C	200	600	50					
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. 281 /S.R.L./PHED/BPL /2022 Issue Date 20/10/2022

**Test Report**

Nature of sample :- Drinking Water Sample / Others  <b>TO,</b> <b>Asnani School</b> <b>near Pable bey colony</b> <b>katara hills, baghmugaliya</b> <b>bhopal</b>	Not sampled by State Research Lab  Sender's letter no. - SRL Ref. No 870 Date of analysis started 19/10/2022 Quantity Of sample Ok	Unique Identification No. 474 Sender's letter Date 19/10/2022 SRL receipt date 19/10/2022 Date of analysis completed 20/10/2022
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**Sample details**

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

**RESULTS**

No.	Characteristics/ Unit	test methods	BIS -10500:2012 Reaffirmed in Feb. 2021		Results		
			Desirable Limit 5	Permissible Limit 6	1		
1	Temperature in degree 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 caCO3 mg/l	APHA 23 <sup>nd</sup> edition, 2320 B	-	-	-		
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		-		

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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

20/10/22  
**(S.K.Tripathi)**  
Chief Chemist/Quality Manager  
STATE RESEARCH LABORATORY  
P. H. E. DEPARTMENT BHOPAL

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