



Nature of sample: Drinking Water Sample / Others

Test Report

To,
St. Francis Hr. Sec. School
Jinsi, Jehangirabad
Bhopal

Not sampled by State Research Lab

Sender's letter no.		Unique Identification No.	497
SRL Ref. No	103	Sender's letter Date	03/02/2022
Date of analysis started	03/02/2022	SRL receipt date	03/02/2022
Quantity Of sample	ok	Date of analysis completed	04/02/2022

No.	Particulars of Samples
1.	Supply Water Sample

Sample details

No.	Characteristics/ Unit	test methods	RESULTS		1		
			BIS -10500:2012 Reaffirmed in Feb. 2021				
			Desirable Limit	Permissible Limit			
			5	6			
1	Temperature in degree C				25°C		
2	Colour in Hazen scale						
3	Odour		5	15			
4	Iron as Fe * mg/l		Objectionable	Unobjectionable			
5	Nitrate as NO3 * mg/l	APHA 23 nd edition, 3500-Fe B	1.0	1.0	0.30		
6	Fluoride as F * mg/l	APHA 23 rd edition, 4500-NO ₃ -4	45	45	1.470		
7	Chloride as Cl * mg/l	APHA 23 rd edition, 4500-F-C	1.0	1.5	0.28		
8	Total Alkalinity as CaCO ₃ * mg/l	APHA 23 rd edition, 4500-Cl-B	250	1000	20.0		
9	Calcium as Ca++ * mg/l	APHA 23 rd edition, 2320 B	200	600	88		
10	Magnesium as Mg++ * mg/l	APHA 23 rd edition, 3500 Ca-B	75	200	28.0		
11	Sulphate as SO ₄ * mg/l	APHA 23 rd edition, 3500 Mg-BIS:3025 (Part -24)	30	100	12.96		
12	pH * pH scale		200	400	6.24		
13	Turbidity in * NTU	APHA 23 rd edition 4500-H + B	6.5 to 8.5	6.5 to 8.5	7.213		
14	Total hardness as CaCO ₃ * mg/l	APHA 23 rd edition, 2130 B	1.0	5.0	1.0		
15	Conductivity at 25°C *micromhos /cm	APHA 23 rd edition, 2340 C	200	600	124		
16	TDS By meter mg/l	APHA 23 rd edition, 2510 B	-	-	210		
17	Manganese as *Mg/l	APHA 23 rd edition, 2510 B	500	2000	124		
18	Phenolphthalein Alkalinity as caCO ₃ mg/l	Mn APHA 23 rd edition 3500-mn-B	0.1	0.3	0.0		
19	Sodium as Na mg/l	APHA 23 rd edition, 2320 B	-	-	-		
20	Potassium as K. mg/l	APHA 23 rd edition, 3500 -Na B	-	-	-		
21	ARSENIC By Kit mg/l	APHA 23 rd edition, 3500 -K B	-	-	-		
22	Faecal Coliform (TTC) per 100 ml	-	0.01	0.01	-		
23	Total coliform per 100 ml	APHA 23 rd edition, 9211 B	NIL		40		
24	Dissolved Oxygen mg/l		NIL for treated water and water in distribution system		-		
25	Chemical Oxygen Demand (COD)mg/l	APHA 23 rd edition, 9211 B			-		
26	Biological Oxygen Demand (BOD) mg/l	WHO	10mg/l	10mg/l	-		
27	Jar Test for Alum & lime dosing fixation mg/l	WHO	06mg/l	06mg/l	-		
28	Purity of Alum		-	-	-		
29	Purity of Lime		-	-	-		
30	Purity of Bleaching		-	-	-		
31	Chlorine test Demand		-	-	-		

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.
6. The tests marked with an * are accredited by NABL.

[Signature]
Chemist

[Signature]
(S.K. Tripathi)

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Signatory Authority
STATE RESEARCH LABORATORY
P. H. E. DEPARTMENT BHOPAL