

WATER TESTING LABORATORY

Ranji Filtration

Municipal Corporation Jabalpur

Particulars of Sample

(1) Date of Collection... 18.1.10.2024

(2) Date of Analysis... 18.1.10.2024

Reference (if any)

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Details of Source & Location of Water sample

(i) KV School No-2 (Boring Water)

(ii)

(iii)


(iv)

(v)

SI No	Characteristics	Unit	Acceptable	Cause for Rejection	Sample Test Result					
					I	II	III	IV	V	VI
PHYSICAL TEST										
1	Turbidity	N.T.U.	2.5	10	2.0					
2	Colour	Pt. Cobalt Scale	5.0	25	Colourless					
3	Test and odour	-	Unobjectionable	Unobjectionable	Unobjectionable					
CHEMICAL TEST										
4	PH	Ph Scale	7.0 to 8.5	<6.50 > 9.2	7.13					
5	Conductivity	Micor Mhos/cm	-	-	606					
6	Total Alkalinity	Mg/L	200	600	280					
7	Chlorides	Mg/L	200	1000	12					
8	Nitrates	Mg/L	45	45	-					
9	Total Hardness (As CaCO ₃)	Mg/L	200	600	300					
10	Calcium Hardness (As Ca)	Mg/L	75	200						
11	Magnesium Hardness (As mg)	Mg/L	30	150	-					
12	Total Solids	Mg/L	-	-						
13	Total Dissolved Solids	Mg/L	500	1500	265					
14	Iron	Mg/L	0.1	1.0	-					
15	Fluorides	Mg/L	1.0	1.5	-					
16	Sulphates	Mg/L	200	400	-					
17	Dissolved Oxygen	Mg/L	-	-	-					
18	C.O.D.	Mg/L	10	-	-					
19	BOD	Mg/L	6	-	-					
20	Residual Chlorine	Mg/L	0.2	10	Nil					
21	Coagulant Dose by Jar Test	Mg/L	-	-						
22	Nitrate No2	Mg/L	Should be Nil		-					
BACTERIOLOGICAL TEST										
23	Coliform Organisms at 37°C	M.P.N./100 ml.	-	-	-					
24	Fecial Coliform	100ml.	-	-	-					

Note: Sample is potable.

Tested By


Sub Engineer
Water Works
Ranji, Jabalpur

Chemist
Water Works
Ranji, Jabalpur