


UIC – DWS-520

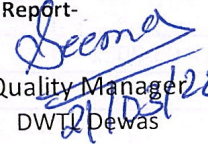
NATURE OF STUDY – PHYSICAL, CHEMICAL & BACTERIOLOGICAL ANALYSIS

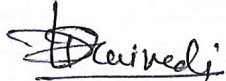
S.No.	Characteristics	Unit	AS Per BIS - 10500:2012 for		Results									
			Requirement (Desirable)	Permissible limit in the absence of Alternate source	1	2	3	4	5	6	7	8	9	10
PHYSICAL TESTS														
1	Temperature	°C			34.2	-	-	-	-	-	-	-	-	-
2	Turbidity	NTU	1	5-0	0.2	-	-	-	-	-	-	-	-	-
3	Colour	Hazen Unit	5	15	0	-	-	-	-	-	-	-	-	-
4	Odour		Agreeable	Agreeable	Agreeable	-	-	-	-	-	-	-	-	-
CHEMICAL TESTS														
5	pH	pH Scale	6.5 to 8.5	No Relaxation	6.65	-	-	-	-	-	-	-	-	-
6°	Total Hardness as CaCO ₃	Mg/l	200	600	20	-	-	-	-	-	-	-	-	-
7°	Calcium as Ca	Mg/l	75	200	3.92	-	-	-	-	-	-	-	-	-
8°	Magnesium as Mg	Mg/l	30	100	2.45	-	-	-	-	-	-	-	-	-
9°	Total Alkalinity as CaCO ₃	Mg/l	200	600	21	-	-	-	-	-	-	-	-	-
10°	Chloride as Cl	Mg/l	250	1000	5.75	-	-	-	-	-	-	-	-	-
11	Nitrate as NO ₃	Mg/l	45	45	1	-	-	-	-	-	-	-	-	-
12	Total Dissolved Solids	Mg/l	500	2000	18.62	-	-	-	-	-	-	-	-	-
13	Iron	Mg/l	1	1	0.02	-	-	-	-	-	-	-	-	-
14	Sulphate as SO ₄	Mg/l	200	400	2.1	-	-	-	-	-	-	-	-	-
15	Fluoride as F	Mg/l	1	1.5	0.014	-	-	-	-	-	-	-	-	-
16	Manganese as Mn	Mg/l	0.1	0.3	0	-	-	-	-	-	-	-	-	-
17	Residual Chlorine Cl ₂	Mg/l	0.2	1	-	-	-	-	-	-	-	-	-	-
BACTERIOLOGICAL TESTS														
18	Coli form per 100 ml	Per 100 ml	Nil for treated water and water in distribution system		-	-	-	-	-	-	-	-	-	-
19	Faecal Coli form [TTC]	Per 100	Nil		-	-	-	-	-	-	-	-	-	-

Note :-

1. This report should not be produced partly of 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” above which the sources will have to be rejected.
3. The results refer only to tested samples and parameters tested.
4. Sample will be stored for a period of 10 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 ® accredited by NABL.


Signature of Analyst
DWTL Dewas
P.H.E. Division Dewas

-End of Report-

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