

SAVE WATER, SAVE LIFE

	DELHI JAL BOARD (GOVT. OF N.C.T. DELHI) QUALITY CONTROL LABORATORY, WATER TREATMENT PLANT BAWANA, <u>DELHI-110039.</u>	
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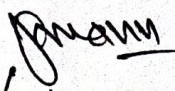
Water samples collected from Kasturi Ram International School, pocket-7, Sector- A-10, Narela, New Delhi-110040 vide Challan no. - 119 Dated 29.07.2024.

S1 : from borewell

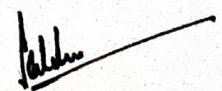
S2 : After R.O. System

S. No.	PARAMETERS	UNITS	Limit as per B.I.S.10500:2012		S1	S2
			Acceptable	Permissible		
1.	Date of collection	--	---	---	06.08.2024	
2.	Date of Analysis	--	---	---	07.08.2024	
3.	Colour	C.U.	5	15	Clear	Clear
4.	Odour	--	Agreeable		Agreeable	Agreeable
5.	Turbidity	N.T.U	1.0	5.0	1.98	1.05
6.	p ^H value	--	6.5 to 8.5	N.R.	8.2	7.8
7.	Electrical Conductivity	µmhos/cm	----	----	854.0	94.0
8.	Total Dissolved Solid	(mg/l)	500	2000	555.1	61.1
	CHEMICAL EXAMINATION					
9.	Phenolphthalein Alkalinity	(mg/l)	----	----	Nil	Nil
10.	Total Alkalinity	(mg/l)	200	600	142.0	30.0
11.	Total Hardness	(mg/l)	200	600	81.0	34.0
12.	Calcium Hardness	(mg/l)	200	600	38.0	21.0
13.	Magnesium Hardness	(mg/l)	200	600	43.0	13.0
14.	Calcium as Ca	(mg/l)	75	200	15.2	8.4
15.	Magnesium as mg	(mg/l)	30	100	10.32	3.12
16.	Ammonia (as NH ₃ -N)	(mg/l)	0.5	N.R.	0.03	ND
17.	Nitrite –Nitrogen (N)	(mg/l)	---	---	0.006	ND
18.	Nitrate (NO ₃)	(mg/l)	45	N.R.	27.51	5.20
19.	Sulphate (SO ₄)	(mg/l)	200	400	68.30	1.49
20.	Chloride (Cl)	(mg/l)	250	1000	118.0	17.0
21.	Iron (Fe)	(mg/l)	1.0	N.R.	0.08	0.02
22.	Fluorides (F)	(mg/l)	1.0	1.5	0.879	0.389
23.	Cyanides (CN)	(mg/l)	0.05	N.R.	Absent	Absent
24.	Residual Chlorine	(mg/l)	0.2	1.0	0.43	0.36
	BACTERIOLOGICAL EXAMINATION					
25.	Coli form per 100 ml at 37°C	MPN/100 mL	0		14.0	0

Remarks: As per above tested parameters, Sample S1 can not be used for drinking purpose, however, S2 can be used for drinking purpose after proper disinfection.


 Chemist/Bacteriologist

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