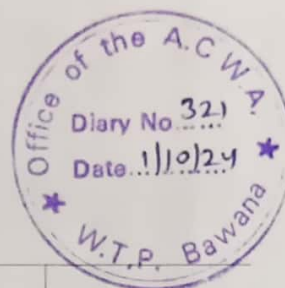


SAVE WATER, SAVE LIFE



DELHI JAL BOARD (GOVT. OF N.C.T. DELHI)
QUALITY CONTROL LABORATORY,
WATER TREATMENT PLANT BAWANA,
DELHI-110039.



मन्त्र भवन
एक कदम स्वच्छता की ओर

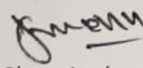
Water samples collected from GMP School, Plot No. 70/05, Extended Lal Dora, Near CNG Pump, Singhola, New Delhi-110040 vide Challan no. - 128 Dated 12.08.2024.


S1 : From bore well

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	--	---	---	12.09.2024	
2.	Date of Analysis	--	---	---	13.09.2024	
3.	Colour	C.U.	5	15	Clear	Clear
4.	Odour	--	Agreeable		Agreeable	Agreeable
5.	Turbidity	N.T.U	1.0	5.0	2.69	1.91
6.	p ^H value	--	6.5 to 8.5	N.R.	7.5	6.8
7.	Electrical Conductivity	μmhos/cm	----	-----	3357.0	180.0
8.	Total Dissolved Solid	(mg/l)	500	2000	2182.05	117.0
CHEMICAL EXAMINATION						
9.	Phenolphthalein Alkalinity	(mg/l)	----	----	Nil	Nil
10.	Total Alkalinity	(mg/l)	200	600	278.0	42.0
11.	Total Hardness	(mg/l)	200	600	537.0	44.0
12.	Calcium Hardness	(mg/l)	200	600	274.0	28.0
13.	Magnesium Hardness	(mg/l)	200	600	263.0	16.0
14.	Calcium as Ca	(mg/l)	75	200	109.6	11.2
15.	Magnesium as mg	(mg/l)	30	100	63.12	3.84
16.	Ammonia (as NH ₃ -N)	(mg/l)	0.5	N.R.	0.04	ND
17.	Nitrite –Nitrogen (N)	(mg/l)	---	---	0.006	ND
18.	Nitrate (NO ₃)	(mg/l)	45	N.R.	18.18	10.77
19.	Sulphate (SO ₄)	(mg/l)	200	400	536.25	2.13
20.	Chloride (Cl)	(mg/l)	250	1000	554.0	32.0
21.	Iron (Fe)	(mg/l)	1.0	N.R.	0.03	0.02
22.	Fluorides (F)	(mg/l)	1.0	1.5	1.55	0.21
23.	Cyanides (CN)	(mg/l)	0.05	N.R.	Absent	Absent
24.	Residual Chlorine	(mg/l)	0.2	1.0	Nil	Nil
BACTERIOLOGICAL EXAMINATION						
25.	Coli form per 100 ml at 37 ^o C	MPN/100 mL	0		28.0	0

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


Chemist/Bacteriologist
CHEMIST
DELHI JAL BOARD
Govt. of N.C.T. Delhi
Quality Control Laboratory
Water Works Bawana, Delhi-39


A.C.W.A. (Bawana)
Asstt. Chief Water Analyst
DELHI JAL BOARD
Govt. of N.C.T. Delhi
Quality Control Laboratory
Water Works Bawana, Delhi-39