

Analysis Report

Date: 04-06-2024

Name : M/S Jamiya Salafiya	Sample code : WL/24/05/S0300
Address: Kottapuram	Date of sample collection : 30-05-2024
Ph: 9747635590	Sample collected by : Client
Sample name : Water Sample (Potable Water)	Date of delivery : 30-05-2024
Appearance of sample : Clear Liquid	Sample received by : Water Lab Representative
Source of Sample : Tap Water	Sample condition : Fit for Analysis
Sample quantity : 1L PB + 125mL PB	Period of Analysis : 30-05-2024 to 04-06-2024

CHEMICAL ANALYSIS

Sl No	Parameter	Unit	Test method APHA-23 rd edition	Results	Permissible limit in the absence of alternate source	Acceptable limit IS 10500:2012
1	Taste and odor	-	2150 A & 2160 A	Disagreeable	Agreeable	Agreeable
2	Electrical conductivity@25°C	µS/cm	2510 B	62.0	-	-
3	Turbidity	NTU	2130 B	<1.0	Max5.0	Max 1
4	Total Dissolved solids	mg/L	2540 C	30.0	Max2000	Max 500
5	pH@25°C	-	4500 H + B	7.82	No Relaxation	6.5 – 8.5
6	Total Alkalinity	mg/L	2320 B	7.02	Max600	Max 200
7	Total Hardness	mg/L	2340 C	12.1	Max600	Max 200
8	Calcium Hardness	mg/L	3500 Ca B	8.08	-	-
9	Magnesium Hardness	mg/L	3500 Mg B	<5.0	-	-
10	Calcium	mg/L	3500 Ca B	<5.0	Max200	Max 75
11	Magnesium	mg/L	3500 Mg B	<5.0	Max100	Max 30
12	Chloride	mg/L	4500 Cl ⁻ B	8.17	Max1000	Max 250
13	Sulphate	mg/L	4500SO ₄ E	2.26	Max400	Max 200
14	Nitrate as NO ₃	mg/L	4500NO ₃ B	<1.0	No Relaxation	Max 45
15	Ammonia as NH ₃	mg/L	4500NH ₃ F	<0.01	No Relaxation	Max 0.50
16	Iron	mg/L	3500 Fe B	<0.05	No Relaxation	Max 1.0

MICROBIOLOGICAL ANALYSIS

17	Total Coliforms	cfu/100ml	9222 B	190	No Relaxation	Shall be absent/100ml
18	Fecal Coliforms	cfu/100ml	9222 D	120	No Relaxation	Shall be absent/100ml
19	E Coli	cfu/100ml	9222 H	76	No Relaxation	Shall be absent/100ml

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End of Report

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 Sr. Chemist
 Authorized Signatory