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Bio Green Lab Services

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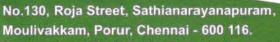
REF: BGLS/AUG-786/EC/25-26

AUGUST 13, 2025

ANALYSIS REPORT

M/S.B.S.Abdur Rahman Cresent Institute of Science & Technology.			
Chennai.			
Men's Hostel Well Water			
Well Water			
12.08.2025			
13.08.2025			
13.08.2025			

S.No	Parameters	Unit	Results	Test Method (APHA 23 rd Edition 2017)	Limits as per IS:10500 -2012 Standards	
					Acceptable Limit	Permissible Limit in the absence of alternate source
01	Physical Appearance		Pale Yellow			
0.0	0.1	***	2.0	2120 D	5	15
02	Color	Hazen	5.0	2120 B		
03	Odour		Agreeable	2150 B	Agreeable	Agreeable
04	pH at 25°C	*	7.0	4500 H ⁺ B	6.5 - 8.5	6.5 - 8.5
05	Turbidity	NTU	12.2	2130 B	1	5
06	Electrical Conductivity at 25°C	Micromhos/	1058	2510 B		-
07	Total Suspended Solids(TSS)	mg/l	18	2540 D	K * ()	RE:
08	Total Dissolved Solids(TDS)	mg/l	687	2540 C	500	2000
09	Total Alkalinity(as CaCO ₃)	mg/l	200	2320 B	200	600
10	P-Alkalinity (as CaCO ₃)	mg/l	Nil	2320 B	12	***
11	Total Hardness (as CaCO ₃)	mg/l	360	2340 C	200	600
12	Calcium Hardness (as CaCO ₃)	mg/l	180	3500 - Ca B	15	%
13	Magnesium Hardness (as CaCO ₃)	mg/l	180	3500 - Mg B	<u>3</u>	P <u>o</u>
14	Calcium (as Ca)	mg/l	73.4	3500 B	75	200
15	Magnesium (as Mg)	mg/l	43.7	2340 C	30	100
16	Total Iron (as Fe)	mg/l	1.89	3500 Fe-B	1.0	1.0



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S.NO	Parameters	Unit	Results	Test Method (APHA 23rd Edition)	Limits as per IS: 10500 - 2012 Standards	
					Acceptable Limit	Permissible Limit in the absence of alternate source
17	Chloride (as Cl ⁻)	mg/l	121	4500 CI B	250	1000
18	Sulphate (as SO ₄ -)	mg/l	73	4500 SO ₄ ²⁻ E	200	400
19	Carbonate Hardness (as CaCO ₃)	mg/l	200	2340 A	-	*
20	Non Carbonate Hardness (as CaCO3)	mg/l	160	2340 A	-	-
21	Silica Reactive (as SiO ₂)	mg/l	17.4	4500 SiO ₂ C	-	ā
22	Free Residual Chlorine	mg/l	Nil	4500 Cl B	0.2	**1

BDL: Below Detection Limit

Remarks:

The above submitted water sample Does Not Comply with drinking water specification as per IS: 10500: 2012 respects to the above test conducted.

End of Test Report



Note:

- 1. Reports shall not be reproduced, except in full, without the written approval of the laboratory
- 2. Details as furnished by the client and Samples as supplied by the client.
- 3. Any clarifications / complaints of the report should be made in writing within 2 days from the date of test report.
- 4. Unless informed by the client the samples will not be retained for more than 7 days from the date of issue of this report.