



Bio Green Lab Services

Govt. Registered (UAN No :TN02A0155256) An ISO 9001 : 2015 Certified Laboratory



REF: BGLS/AUG-789/EC/25-26

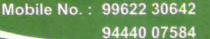
AUGUST 13, 2025

ANALYSIS REPORT

Client Name	M/S.B.S.Abdur Rahman Cresent Institute of Science & Technology.		
Client Address	Chennai.		
Sample Mark	Men's Hostel		
Sources Of Water	RO Plant Water -2		
Date of Sample Received	12.08.2025		
Date of Sample Commenced	13.08.2025		
Date of Sample Completed	13.08.2025		

S.No	Parameters	Unit	Results	Test Method (APHA 23rd Edition 2017)	Limits as per IS:10500 -2012 Standards	
					Acceptable Limit	Permissible Limit in the absence of alternate source
01	Physical Appearance		Clear			
02	Color	Hazen	1.0	2120 B	5	15
	Odour			FERMINE TO MI		
03	C POPULATION CONTROL C		Agreeable	2150 B 4500 H * B	Agreeable 6.5 – 8.5	Agreeable 6.5 – 8.5
04	pH at 25°C	Ť	6.53	4500 H B	0.5 - 8.5	0.5 - 8.5
05	Turbidity	NTU	BDL	2130 B	1	5
06	Electrical Conductivity at 25°C	Micromhos/	11.7	2510 B	(. *)	
07	Total Suspended Solids(TSS)	mg/l	BDL	2540 D	2.01	571
08	Total Dissolved Solids(TDS)	mg/I	48	2540 C	500	2000
09	Total Alkalinity(as CaCO ₃)	mg/l	10	2320 B	200	600
10	P-Alkalinity (as CaCO ₃)	mg/l	Nil	2320 B	725	§2-
11	Total Hardness (as CaCO ₃)	mg/l	7.0	2340 C	200	600
12	Calcium Hardness (as CaCO ₃)	mg/l	4.0	3500 - Ca B	12	1 12
13	Magnesium Hardness (as CaCO ₃)	mg/l	3.0	3500 - Mg B	Var	329
14	Calcium (as Ca)	mg/I	1.6	3500 B	75	200
15	Magnesium (as Mg)	mg/l	0.7	2340 C	30	100
16	Total Iron (as Fe)	mg/l	BDL	3500 Fe-B	1.0	1.0







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S.NO	Parameters	Unit	Results	Test Method (APHA 23 rd Edition)	Limits as per IS : 10500 - 2012 Standards	
					Acceptable Limit	Permissible Limit in the absence of alternate source
17	Chloride (as Cl ⁻)	mg/l	13	4500 Cl B	250	1000
18	Sulphate (as SO ₄ *)	mg/l	4.5	4500 SO ₄ ² ·E	200	400
19	Carbonate Hardness (as CaCO ₃₎	mg/l	7.0	2340 A	(#r	Sec.
20	Non Carbonate Hardness (as CaCO3)	mg/l	Nil	2340 A	180	(=)
21	Silica Reactive (as SiO ₂)	mg/l	BDL	4500 SiO ₂ C	(%)	-51
22	Free Residual Chlorine	mg/l	Nil	4500 CI B	0.2	**1

BDL: Below Detection Limit

Remarks:

The above submitted water sample Comply with drinking water specification as per IS: 10500: 2012 respects to the above test conducted.

End of Test Report

Authorized Signatory

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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.

Mobile No.: 99622 30642 94440 07584



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AUGUST 19, 2025

MICROBIOLOGY EXAMINATION

Client Name	M/S.B.S.Abdur Rahman Cresent Institute Of Science & Technology.		
Client Address	Chennai.		
Sample Mark	Men's Hostel		
Sources Of Water	RO Plant Water -2		
Date of Sample Received	12.08.2025		
Date of Sample Commenced	12.08.2025		
Date of Sample Completed	19.08.2025		

S.No	Parameters	Unit	Results	Requirement as per IS 10500 : 2012 second revision (Acceptable Limit)	Procedure ; APHA 22 nd Edition 2012	
01	Total Coli Forms	MPN/100 ml	Absent	Shall not be detectable in any 100 ml	IS :1622-1981 Amd.4 RA 2012	
02	E- Coli	MPN/100 ml	Absent	Shall not be detectable in any 100 ml	IS :1622-1981 Amd.4 RA 2012	

MPN: Most Probable Number

The above submitted water sample Comply with drinking water specification as per IS: 10500: 2012 respect to the above test conducted.

End of Test Report

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