



Bio Green Lab Services

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

Mobile No. : 99622 30642
94440 07584



REF: BGSL/AUG-788/EC/25-26

AUGUST 13, 2025

ANALYSIS REPORT

Client Name	M/S.B.S.Abdur Rahman Crescent Institute of Science & Technology.
Client Address	Chennai.
Sample Mark	Men's Hostel
Sources Of Water	RO Plant Water -1
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 23 rd 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
03	Odour	-	Agreeable	2150 B	Agreeable	Agreeable
04	pH at 25°C	-	6.59	4500 H + B	6.5 - 8.5	6.5 - 8.5
05	Turbidity	NTU	BDL	2130 B	1	5
06	Electrical Conductivity at 25°C	Micromhos/cm	70	2510 B	-	-
07	Total Suspended Solids(TSS)	mg/l	BDL	2540 D	-	-
08	Total Dissolved Solids(TDS)	mg/l	49	2540 C	500	2000
09	Total Alkalinity(as CaCO ₃)	mg/l	15	2320 B	200	600
10	P-Alkalinity (as CaCO ₃)	mg/l	Nil	2320 B	-	-
11	Total Hardness (as CaCO ₃)	mg/l	6.0	2340 C	200	600
12	Calcium Hardness (as CaCO ₃)	mg/l	4.0	3500 - Ca B	-	-
13	Magnesium Hardness (as CaCO ₃)	mg/l	2.0	3500 - Mg B	-	-
14	Calcium (as Ca)	mg/l	1.6	3500 B	75	200
15	Magnesium (as Mg)	mg/l	0.4	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	18	4500 Cl B	250	1000
18	Sulphate (as SO ₄ ²⁻)	mg/l	7.5	4500 SO ₄ ²⁻ E	200	400
19	Carbonate Hardness (as CaCO ₃)	mg/l	6.0	2340 A	-	-
20	Non Carbonate Hardness (as CaCO ₃)	mg/l	Nil	2340 A	-	-
21	Silica Reactive (as SiO ₂)	mg/l	BDL	4500 SiO ₂ C	-	-
22	Free Residual Chlorine	mg/l	Nil	4500 Cl 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

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.



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AUGUST 19, 2025

MICROBIOLOGY EXAMINATION

Client Name	M/S.B.S.Abdur Rahman Crescent Institute Of Science & Technology.
Client Address	Chennai.
Sample Mark	Men's Hostel
Sources Of Water	RO Plant Water -1
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

Remarks:

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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