



Bio Green Lab Services

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

Mobile No. : 99622 30642
94440 07584



REF: BGLS/AUG-785/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 | Ladies Hostel |
| Sources Of Water | RO Water |
| 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 | - | 6.84 | 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 | 102 | 2540 C | 500 | 2000 |
| 09 | Total Alkalinity(as CaCO ₃) | mg/l | 40 | 2320 B | 200 | 600 |
| 10 | P-Alkalinity (as CaCO ₃) | mg/l | Nil | 2320 B | - | - |
| 11 | Total Hardness (as CaCO ₃) | mg/l | 36 | 2340 C | 200 | 600 |
| 12 | Calcium Hardness (as CaCO ₃) | mg/l | 19 | 3500 - Ca B | - | - |
| 13 | Magnesium Hardness (as CaCO ₃) | mg/l | 18 | 3500 - Mg B | - | - |
| 14 | Calcium (as Ca) | mg/l | 7.7 | 3500 B | 75 | 200 |
| 15 | Magnesium (as Mg) | mg/l | 4.3 | 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 | 29 | 4500 Cl B | 250 | 1000 |
| 18 | Sulphate (as SO ₄ ²⁻) | mg/l | 11 | 4500 SO ₄ ²⁻ E | 200 | 400 |
| 19 | Carbonate Hardness (as CaCO ₃) | mg/l | 36 | 2340 A | - | - |
| 20 | Non Carbonate Hardness (as CaCO ₃) | mg/l | Nil | 2340 A | - | - |
| 21 | Silica Reactive (as SiO ₂) | mg/l | 1.2 | 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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REF: BGLS/AUG-785/EC/25-26

AUGUST 19, 2025

MICROBIOLOGY EXAMINATION

| | |
|--------------------------|--|
| Client Name | M/S.B.S.Abdur Rahman Crescent Institute Of Science & Technology. |
| Client Address | Chennai. |
| Sample Mark | Ladies Hostel |
| Sources Of Water | RO Water |
| 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

Authorized Signatory



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