



# Bio Green Lab Services

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

Mobile No. : 99622 30642

94440 07584



REF: BGLS/AUG-793/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              | Life Sciences Block  |
| 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<br>(APHA 23 <sup>rd</sup><br>Edition<br>2017) | Limits as per IS:10500 -2012<br>Standards |  |
|------|--|--------------|-----------|---|---|--|
|      |  |              |           |   | Acceptable<br>Limit                       | Permissible<br>Limit in the<br>absence of<br>alternate<br>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                                 | -            | 6.61      | 4500 H <sup>+</sup> 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 | 76.9      | 2510 B  | -   | -  |
| 07   | Total Suspended Solids(TSS)                | mg/l         | BDL       | 2540 D  | -   | -  |
| 08   | Total Dissolved Solids(TDS)                | mg/l         | 50        | 2540 C  | 500                                       | 2000   |
| 09   | Total Alkalinity(as CaCO <sub>3</sub> )    | mg/l         | 12        | 2320 B  | 200                                       | 600  |
| 10   | P-Alkalinity (as CaCO <sub>3</sub> )       | mg/l         | Nil       | 2320 B  | -   | -  |
| 11   | Total Hardness (as CaCO <sub>3</sub> )     | mg/l         | 14        | 2340 C  | 200                                       | 600  |
| 12   | Calcium Hardness (as CaCO <sub>3</sub> )   | mg/l         | 8.0       | 3500 - Ca B   | -   | -  |
| 13   | Magnesium Hardness (as CaCO <sub>3</sub> ) | mg/l         | 6.0       | 3500 - Mg B   | -   | -  |
| 14   | Calcium (as Ca)                            | mg/l         | 3.2       | 3500 B  | 75  | 200  |
| 15   | Magnesium (as Mg)                          | mg/l         | 1.4       | 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<br>(APHA 23 <sup>rd</sup><br>Edition) | Limits as per IS : 10500 - 2012<br>Standards |  |
|------|---|------|---------|---|--|--|
|      |   |      |         |   | Acceptable<br>Limit                          | Permissible<br>Limit in the<br>absence of<br>alternate<br>source |
| 17   | Chloride (as Cl <sup>-</sup> )                    | mg/l | 16      | 4500 Cl B   | 250  | 1000   |
| 18   | Sulphate (as SO <sub>4</sub> <sup>2-</sup> )      | mg/l | 7.3     | 4500 SO <sub>4</sub> <sup>2-</sup> E              | 200  | 400  |
| 19   | Carbonate Hardness<br>(as CaCO <sub>3</sub> )     | mg/l | 12      | 2340 A  | -  | -  |
| 20   | Non Carbonate Hardness<br>(as CaCO <sub>3</sub> ) | mg/l | 2.0     | 2340 A  | -  | -  |
| 21   | Silica Reactive (as SiO <sub>2</sub> )            | mg/l | 1.0     | 4500 SiO <sub>2</sub> 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              | Life Sciences Block  |
| 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 <sup>nd</sup> Edition 2012 |
|------|------------------|------------|---------|---|--|
| 01   | Total Coli Forms | MPN/100 ml |         | Shall not be detectable in any 100 ml                                 | IS :1622-1981 Amd.4 RA 2012                    |
| 02   | E- Coli          | MPN/100 ml |         | 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 **Does Not 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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