

# DOCTOR JOHN'S BIOTECH CENTER FOR RESEARCH AND DEVELOPMENT

Kerala State Pollution Control Board, No. PCB/CL/RL/156/2024

Govt of Kerala Reg No: 3947/2021

An ISO 9001:2015 Certified Laboratory (No: KSRQD2410164819)

Startupindia Reg No: DIPP89266 MSME Reg No: UDYAM-KL-06-0008543

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## ANALYSIS REPORT

Ref. No: DJBC/25/05/S1160B

Date & Time: 05/06/2025, 10.30 AM

### Customer Details

Name : M/s. BR Memorial Central School

Address : Chengamanadu, Chethady Kottarakara

Mobile No : 9645751656

### Sample Details

Type of Sample : Well water

Reason for Testing:

- To analyze the quality of water

### Site Information Report:

Appearance : Clear water

Location : Septic tank or other contaminating sources are not in the immediate locations (Customer report)

Sample Collected by : By customer

Sample Collection Date : 02 June. 2025, 05.30 PM

Analysis done by : Mr. Ajesh S (Senior Analyst- Biotechnology)

Approved by : Dr. Jinu John (Senior Scientist)



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## Analysis Report:

Sl No	Parameters	Method of Analysis	Acceptable Limit As Per IS No:10500:2012	Results
<b>A Physical Parameters</b>				
1	Odour	IS 3025 (Part 05)	Agreeable	Agreeable
2	Colour	IS 3025 (Part 04)	Colourless	Clear
3	Taste	IS 3025 (Part 08)	Agreeable	Not measured
4	Temperature	Thermometry	-	29° C
5	pH	IS 3025 (Part 11)	6.5 to 8.5	6.68
6	Turbidity	IS 3025 (Part 10)	<5 NTU	0.02 NTU
7	Total Dissolved Solids (TDS)	IS 3025 (Part 16)	500 mg/L	32.8 mg/L
8	Electrical Conductivity(EC)	IS 3025 (Part 16)	1.5 mΩ (WHO)	0.06 mΩ
9	Oxidation Reduction Potential(ORP)	IS 3025 (Part 11)	< 0	+32 mv
10	Sedimentation	In-house Standardized Method (ISM)	--	<ul style="list-style-type: none"> <li>• Under gravity: Absent</li> <li>• Centrifugal: Absent</li> <li>• Chemical treatment: Absent</li> </ul>
11	Total Suspended Solids	Filtration Method	--	0.12 mg/L
<b>B Chemical Parameters</b>				
12	Acidity	IS 3025	--	24.0 mg/L
13	Total Hardness	IS 3025	200 mg/L	12.8 mg/L
14	Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21)	200 mg/L	8.6 mg/L
15	Chloride (as Cl)	IS 3025 (Part 32)	250 mg/L	14.99 mg/L
16	Fluoride (as F)	IS 3025 (Part 60)	1.2 mg/L	BDL*
17	Iron (as Fe)	IS 3025 (Part 53)	0.3 mg/L	0.18 mg/L
18	Nitrate (as NO <sub>3</sub> <sup>-</sup> )	IS 3025 (Part 34)	45 mg/L	16.6 mg/L
19	Sulphate (as SO <sub>4</sub> )	IS 3025 (Part 24)	200 mg/L	10.28 mg/L
20	Sulphide (as H <sub>2</sub> S)	IS 3025 (Part 29)	0.05 mg/L	BDL*
21	Phosphate (as PO <sub>4</sub> )	EPA 365.1	0.05 mg/L	0.02 mg/L
22	Ammonia	IS 3025 (Part 34)	0.03 mg/L	BDL*
23	Chromium(as Cr)	IS 3025 (Part 52)	0.05 mg/L	BDL*

\*Below Detectable Level