



# DOCTOR JOHN'S BIOTECH CENTER FOR RESEARCH AND DEVELOPMENT

Kerala State Pollution Control Board, No. PCB/LAB/C49/2022

Govt of Kerala Reg No: 3947/2021

An ISO 9001:2015 Certified Laboratory (No: 305021100832Q)

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

2<sup>nd</sup> Floor, Clock Tower Building, Marthoma Girls High School Junction, QS Road, Kottarakkara  
Kollam, Kerala – 691506; Contact: 7592931717 Email: [djbcktr@gmail.com](mailto:djbcktr@gmail.com)

## ANALYSIS REPORT

Ref. No: DJBC/23/06/S463

Date & Time: 15/06/2023, 11.20 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 potability of water

Site Information Report: Not Available

Sample Collected by : By Customer

Sample Collection Date & Time: 13 June. 2023, 10.45 AM

Analysis done by : Ms. Julie Joy (Microbiologist)

Results verified by : Mr. Ajesh S (Senior Analyst)

Approved by : Dr. Jinu John (Senior Scientist)



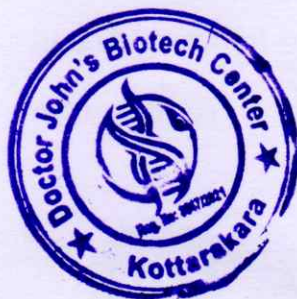
## Analysis Report:

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	-	28°C
5	pH	IS 3025 (Part 11)	6.5 to 8.5	6.76
6	Turbidity	IS 3025 (Part 10)	<5 NTU	1.2 NTU
7	Total Dissolved Solids(TDS)	IS 3025 (Part 16)	500 mg/L	72.8 mg/L
8	Electrical Conductivity (EC)	IS 3025 (Part 16)	1.5 mΩ (WHO)	0.172 mΩ
9	Oxidation Reduction Potential(ORP)	IS 3025 (Part 11)	< 0	+52 mv
10	Sedimentation	In-house Standardized Method (ISM)	--	<ul style="list-style-type: none"> <li>• Under gravity: Nil</li> <li>• Centrifugal: Nil</li> <li>• Chemical treatment: Slight Precipitation</li> </ul>
11	Total Suspended Particles	Filtration Method	--	0.12 mg/L
<b>B Chemical Parameters</b>				
12	Acidity	IS 3025	--	16.0 mg/L
13	Total Hardness	IS 3025	200 mg/L	26.8 mg/L
14	Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21)	200 mg/L	19.4 mg/L
15	Chloride (as Cl)	IS 3025 (Part 32)	250 mg/L	22.99 mg/L
16	Fluoride (as F)	IS 3025 (Part 60)	1.2 mg/L	0.04 mg/L
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	7.9 mg/L
19	Sulphate (as SO <sub>4</sub> )	IS 3025 (Part 24)	200 mg/L	5.4 mg/L

Sl No	Parameters	Method of Analysis	Acceptable Limit As Per IS No:10500:2012	Results
<b>C</b>	<b>Bacteriological Parameters</b>			
20	Total Plate Count/ Total Microbial Load	IS 5402:2012	<500 cfu/ml	18 cfu/ml
21	Total coliform	IS 15185:2016	Absent/ml	Absent
22	<i>E. coli</i>	IS 1622:1981	Absent/ml	Absent
23	<i>Enterobacteriaceae</i>	IS 15186:2002	Absent/ml	Absent
24	<i>Staphylococcus aureus</i>	IS 5887:1976 Part II	Absent/ml	Absent
25	<i>Bacillus sp.</i>	Culture Characteristics	Absent/ml	Absent
26	<i>Klebsiella</i>	Culture Characteristics	Absent/ml	Absent
27	<i>Serratia sp.</i>	Culture Characteristics	Absent/ml	Absent
28	<i>Chromobacterium violaceum</i>	Culture characteristics	Absent/ml	Absent
29	<i>Salmonella sp.</i>	IS15187:2002	Absent/ml	Absent
30	<i>Proteus sp.</i>	Culture Characteristics	Absent/ml	Absent

**Inference:** Water is potable as the indicative parameters are within the permitted limit

**NB:** The test report is as per the details and samples submitted to our laboratory facility at Kottarakara by the customer



Results are verified & approved by : Dr. Jinu John (Senior Scientist)

**Dr. JINU JOHN**  
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