



GESRA LABS INDIA PVT. LTD.

21, 1st Floor, G.K Industrial Estate Main Road, Alapakkam, Porur, Chennai - 600 116.

044 24764699 • 044 43114677 • 91 7401290970/72

admin@gesralabs.com • enquiry@gesralabs.com • quality@gesralabs.com

TEST REPORT

Report No: 0024040185

Page 1 of 1

Issued To,

M/s. St. Joseph Residential School,
3/10, Chennai Bangalore Highway,
Irungulam, Sriperumbudur,
Kanchipuram, 602105.

Submitted Sample

Date of Report : 25.04.2024
Received on : 23.04.2024
Commenced on : 23.04.2024
Completed on : 24.04.2024

Lab Code No : 2024040185
Sample Name : Water Sample – RO Water.
Sample Identification : -

Sl. No	Test Parameters	Unit	Results	Requirement Limit as per IS 10500:2012 RA 2018		Test.Method
				Acceptable Limit (Max)	Permissible Limit in the absence of other source (Max)	
I	Chemical Examination :					
1	Appearance	–	Clear	–	–	Visual Examination
2	pH @ 25°C	–	7.02	6.5 – 8.5	–	IS 3025 Part 11 2022
3	Colour	Hazen	1.0	5	15	IS 3025 Part 4 2021
4	Odour	–	Agreeable	Agreeable	Agreeable	IS 3025 Part 5 2018
5	Turbidity	NTU	0.1	1	5	IS 3025 Part 10 1984 RA 2022
6	Electrical Conductivity @ 25°C	µS/cm	153	–	–	IS 3025 Part 14 2013 RA 2019
7	Total Suspended Solids	mg/l	Nil	–	–	IS 3025 Part 17 2022
8	Total Dissolved Solids	mg/l	99.8	500	2000	IS 3025 Part 16 2023
9	Total Hardness as CaCO ₃	mg/l	60.60	200	600	IS 3025 Part 21 2009 RA 2019
10	Calcium Hardness as CaCO ₃	mg/l	20.20	–	–	IS 3025 Part 40 1991 RA 2019
11	Magnesium Hardness as CaCO ₃	mg/l	40.40	–	–	IS 3025 Part 46 1994 RA 2019
12	Calcium as Ca	mg/l	8.10	75	200	IS 3025 Part 40 1991 RA 2019
13	Magnesium as Mg	mg/l	9.83	30	100	IS 3025 Part 46 1994 RA 2019
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	–	–	IS 3025 Part 23 1986 RA 2019
15	Total Alkalinity as CaCO ₃	mg/l	39.96	200	600	IS 3025 Part 23 1986 RA 2019
16	Chloride as Cl ⁻	mg/l	20.00	250	1000	IS 3025 Part 32 1988 RA 2019
17	Sulphate as SO ₄	mg/l	6.57	200	400	IS 3025 : Part 24 : Sec 1 :2022
18	Total Iron as Fe	mg/l	0.10	1.00	No Relaxation	IS 3025 Part 53 2003 RA 2019
19	Silica as SiO ₂	mg/l	3.04	–	–	IS 3025 Part 35 1988 RA 2019
20	Residual Free Chlorine	mg/l	BDL (DL-0.10)	0.2	1.0*	IS 3025 Part 26 2021
21	Carbonate Hardness as CaCO ₃	mg/l	39.96	–	–	IS 3025 Part 21 2009 RA 2019
22	Non- Carbonate Hardness as CaCO ₃	mg/l	20.64	–	–	IS 3025 Part 21 2009 RA 2019

**** End of Report****

* To be applicable only when water is Chlorinated. BDL-Below Detection Limit, DL-Detection Limit

Remarks: The Submitted Sample of RO Water **meets** the Chemical requirement of Drinking Water Specification as per IS:10500:2012 RA 2018 with respect to the above tested Parameters.

Verified by

Terms and Conditions

- The Test Results relate only to the items tested.
- This Test Report shall not be reproduced anywhere except in full and in the same format without the written approval of GLIPL.
- The tested items will not be retained for more than 15 days from the date of issue of Test Report unless otherwise agreed with the Customer or as required by the applicable regulations.
- The Laboratory's responsibility under this report is limited to proven willfull negligence and will in no case be more than the invoiced amount.



Authorized Signatory
M. MURUGAN
TECHNICAL MANAGER