



GESRA LABS INDIA PVT. LTD.

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TEST REPORT

Report No: 0025050004

Page 1 of 1

Issued To,
PM Shri Kendriya Vidyalaya,
Gillnagar, Shanmuganar Salai,
Choolaimedu,
Chennai – 600094.

Submitted Sample

Date of Report : 05.05.2025
Received on : 02.05.2025
Commenced on : 02.05.2025
Completed on : 05.05.2025

Lab Code No : 2025 05 0004
Discipline : Chemical
Group : Water
Sample Name : Water Sample
Sample Identification : Raw Water.
Appearance : Clear.

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 Examinations:					Visual Examination
1	Appearance	–	Clear	–	–	IS 3025 Part 11 2022
2	pH @ 25°C	–	7.80	6.5 – 8.5	–	IS 3025 Part 4 2021
3	Colour	Hazen	1.0	5	15	IS 3025 Part 5 2018
4	Odour	–	Agreeable	Agreeable	Agreeable	IS 3025 Part 10 2023
5	Turbidity	NTU	0.1	1	5	IS 3025 Part 14 2013 RA 2023
6	Electrical Conductivity @ 25°C	µS/cm	668	–	–	IS 3025 Part 17 2022
7	Total Suspended Solids	mg/l	Nil	–	–	IS 3025 Part 16 2023
8	Total Dissolved Solids @ 180°C	mg/l	452	500	2000	IS 3025 Part 21 2009 RA 2023
9	Total Hardness as CaCO ₃	mg/l	284	200	600	IS 3025 Part 40 2024
10	Calcium Hardness as CaCO ₃	mg/l	172	–	–	IS 3025 Part 46 2023
11	Magnesium Hardness as CaCO ₃	mg/l	112	–	–	IS 3025 Part 40 2024
12	Calcium as Ca	mg/l	69	75	200	IS 3025 Part 46 2023
13	Magnesium as Mg	mg/l	27	30	100	IS 3025 Part 23 2023
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	–	–	IS 3025 Part 23 2023
15	Total Alkalinity as CaCO ₃	mg/l	209	200	600	IS 3025 Part 32 1988 RA 2019
16	Chloride as Cl ⁻	mg/l	70	250	1000	IS 3025 Part 24 Sec 1: 2022
17	Sulphate as SO ₄	mg/l	16	200	400	IS 3025 Part 53 2024
18	Total Iron as Fe	mg/l	0.082	1.00	No Relaxation	IS 3025 Part 35 2024
19	Silica as SiO ₂	mg/l	18.1	–	–	IS 3025 Part 26 2021
20	Residual Free Chlorine	mg/l	BDL (DL-0.10)	0.20* min	1.0* min	IS 3025 Part 21 2009 RA 2023
21	Carbonate Hardness as CaCO ₃	mg/l	209	–	–	IS 3025 Part 21 2009 RA 2023
22	Non- Carbonate Hardness as CaCO ₃	mg/l	75	–	–	

**** End of Report****

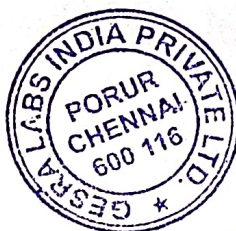
* To be applicable only when water is Chlorinated. BDL-Below Detection Limit, DL-Detection Limit

Remarks: The Submitted Sample of Water **meets** the Chemical requirement of Permissible Limit in the absence of other source as per IS:10500: 2012 RA 2018 Drinking Water Specification 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.



N. GAYATHRI DEVI
QUALITY MANAGER



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Submitted Sample
Date of Report : 05.05.2025
Received on : 02.05.2025
Commenced on : 02.05.2025
Completed on : 05.05.2025

Lab Code No : 2025 05 0005
Discipline : Chemical
Group : Water
Sample Name : Water Sample
Sample Identification : RO Water.
Appearance : Clear.

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 Examinations:					
1	Appearance	–	Clear	–	–	Visual Examination
2	pH @ 25°C	–	6.52	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	0.10	1	5	IS 3025 Part 10 2023
6	Electrical Conductivity @ 25°C	µS/cm	94	–	–	IS 3025 Part 14 2013 RA 2023
7	Total Suspended Solids	mg/l	Nil	–	–	IS 3025 Part 17 2022
8	Total Dissolved Solids @ 180°C	mg/l	60	500	2000	IS 3025 Part 16 2023
9	Total Hardness as CaCO ₃	mg/l	8.00	200	600	IS 3025 Part 21 2009 RA 2023
10	Calcium Hardness as CaCO ₃	mg/l	6.00	–	–	IS 3025 Part 40 2024
11	Magnesium Hardness as CaCO ₃	mg/l	2.00	–	–	IS 3025 Part 46 2023
12	Calcium as Ca	mg/l	2.40	75	200	IS 3025 Part 40 2024
13	Magnesium as Mg	mg/l	0.49	30	100	IS 3025 Part 46 2023
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	–	–	IS 3025 Part 23 2023
15	Total Alkalinity as CaCO ₃	mg/l	11.72	200	600	IS 3025 Part 23 2023
16	Chloride as Cl ⁻	mg/l	17.62	250	1000	IS 3025 Part 32 1988 RA 2019
17	Sulphate as SO ₄	mg/l	9.14	200	400	IS 3025 Part 24 Sec 1: 2022
18	Total Iron as Fe	mg/l	BDL (DL-0.02)	1.00	No Relaxation	IS 3025 Part 53 2024
19	Silica as SiO ₂	mg/l	BDL (DL-0.05)	–	–	IS 3025 Part 35 2024
20	Residual Free Chlorine	mg/l	BDL (DL-0.10)	0.20* min	1.0* min	IS 3025 Part 26 2021
21	Carbonate Hardness as CaCO ₃	mg/l	8.00	–	–	IS 3025 Part 21 2009 RA 2023
22	Non- Carbonate Hardness as CaCO ₃	mg/l	Absent	–	–	IS 3025 Part 21 2009 RA 2023

**** End of Report****

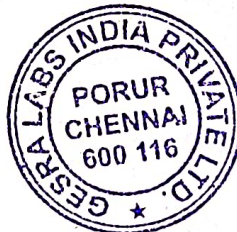
* To be applicable only when water is Chlorinated. BDL-Below Detection Limit, DL-Detection Limit

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

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[Signature]

Authorized Signatory

N. GAYATRI DEVI
QUALITY MANAGER