



# Bio Green Lab Services

Govt. Registered (UAN No : TN02A0155256)

An ISO 9001 : 2015 Certified Laboratory



REF: BGLS/OCT-294/EC/23-24

OCTOBER 30, 2023

## ANALYSIS REPORT

Client Name	M/S.Everest Kenbridge Senior Secondary School.
Client Address	Maraiyur Road, Sitharkadu, Mayiladuthurai – 609003.
Sample Description	Water
Sources Of Water	RO Water
Date of Sample Received	28.10.2023
Date of Sample Commenced	30.10.2023
Date of Sample Completed	30.10.2023

S.No	Parameters	Unit	Results	Test Method (APHA 23 <sup>rd</sup> Edition 2017)	Limits as per IS:10500 -2012 Standards	
					Acceptable Limit	Permissible Limit in the absence of alternate 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	-	6.58	4500 H + B	6.5 – 8.5	6.5 – 8.5
05	Turbidity	NTU	BDL	2130 B	1	5
06	Electrical Conductivity at 25°C	Micromho s/cm	79	2510 B	-	-
07	Total Suspended Solids(TSS)	mg/l	BDL	2540 D	-	-
08	Total Dissolved Solids(TDS)	mg/l	55	2540 C	500	2000
09	Total Alkalinity(as CaCO <sub>3</sub> )	mg/l	18	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	4.0	2340 C	200	600
12	Calcium Hardness (as CaCO <sub>3</sub> )	mg/l	2.0	3500 - Ca B	-	-
13	Magnesium Hardness (as CaCO <sub>3</sub> )	mg/l	2.0	3500 - Mg B	-	-
14	Calcium (as Ca )	mg/l	0.8	3500 B	75	200
15	Magnesium (as Mg)	mg/l	0.5	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 (APHA 23 <sup>rd</sup> Edition)	Limits as per IS : 10500 - 2012 Standards	
					Acceptable Limit	Permissible Limit in the absence of alternate source
17	Chloride (as Cl <sup>-</sup> )	mg/l	10	4500 Cl B	250	1000
18	Sulphate (as SO <sub>4</sub> <sup>-</sup> )	mg/l	1.8	4500 SO <sub>4</sub> <sup>2-</sup> E	200	400
19	Carbonate Hardness (as CaCO <sub>3</sub> )	mg/l	4.0	2340 A	-	-
20	Non Carbonate Hardness (as CaCO <sub>3</sub> )	mg/l	Nil	2340 A	-	-
21	Silica Reactive (as SiO <sub>2</sub> )	mg/l	1.1	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** respect 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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