

REF: KSEL/JULY-2904/A/25-26

July 03rd 2025

ANALYSIS REPORT

Client Name	M/S. Alpha International School
Client Name and Address	No: 151, Velachery Main Road, Sembakkam, Chennai-600 073.
Sample Description	water
Source of Water	RO Water
Sample Referenced By	-
Sample Drawn By	KSEL
Date of Sample Collected	01.07.2025
Date of Sample Commenced	02.07.2025
Date of Sample Completed	03.07.2025

S.No	Parameters	Unit	Results	Test Method (APHA 23 rd Edition 2017)	Limits as per IS:10500 -2012 Standards	
					Acceptable Limit	Permissible Limit in the absence of alternate source
01	Physical Appearance after Filtration	-	Clear	-	-	-
02	True Colour	Hazen	0	2120 B	5	15
03	Odour	-	Agreeable	2150 B	Agreeable	Agreeable
04	pH at 25°C	-	6.72	4500 H ⁺ B	6.5 – 8.5	6.5 – 8.5
05	Turbidity	NTU	BDL(DL:0.5)	2130 B	1	5
06	Electrical Conductivity at 25°C	Micromhos /cm	156.7	2510 B	-	-
07	Total Suspended Solids	mg/l	BDL(DL:1.0)	2540 D	-	-
08	Total Dissolved Solids	mg/l	84	2540 C	500	2000
09	Total Alkalinity (as CaCO ₃)	mg/l	28	2320 B	200	600
10	P-Alkalinity (as CaCO ₃)	mg/l	Nil	2320 B	-	-
11	Total Hardness (as CaCO ₃)	mg/l	14	2340 C	200	600
12	Calcium Hardness (as CaCO ₃)	mg/l	08	3500 - Ca B	-	-
13	Magnesium Hardness (as CaCO ₃)	mg/l	06	3500 - Mg B	-	-
14	Calcium (as Ca)	mg/l	3.2	3500 B	75	200
15	Magnesium (as Mg)	mg/l	1.5	2340 C	30	100
16	Total Iron (as Fe)	mg/l	BDL(DL:0.01)	3500 Fe-B	0.3	0.3



S.NO	Parameters	Unit	Results	Test Method (APHA 23 rd Edition)	Limits as per IS:10500 -2012	
					Standards	
					Acceptable Limit	Permissible Limit in the absence of alternate source
17	Chloride (as Cl ⁻)	mg/l	25.5	4500 Cl B	250	1000
18	Sulphate (as SO ₄ ²⁻)	mg/l	BDL(DL:0.1)	4500 SO ₄ ²⁻ E	200	400
19	Carbonate Hardness (as CaCO ₃)	mg/l	14	2340 A	-	-
20	Non Carbonate Hardness(as CaCO ₃)	mg/l	0	2340 A	-	-
21	Silica Reactive (as SiO ₂)	mg/l	BDL(DL:0.1)	4500 SiO ₂ C	-	-
22	Free Residual Chlorine	mg/l	Nil	4500 Cl B	0.2	1.0

BDL: Below Detection Limit, DL: Detectable Limit,

Remarks:

The above submitted water **Sample Comply Drinking Water** specifications (Acceptable limits) as per IS: 10500: 2012 with respect to the above test conducted **only**.

****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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Sample Description	water
Source of Water	RO Water
Sample Referenced By	-
Sample Drawn By	KSEL
Date of Sample Collected	01.06.2025
Date of Sample Commenced	02.07.2025
Date of Sample Completed	03.07.2025

S.No	Parameters	Results	Standard Limits as per IS:10500 -2012	Test Method
01	Total Coliforms (CFU/100ml)	Absent	Shall not be Detectable 100 ml	IS:1622:1981
02	E-Coli(CFU/100ml)	Absent	Shall not be Detectable in any 100 ml	IS:1622:1981

Remarks: CFU: Colony Forming Unit;

The above submitted water **Sample meets the requirement** as per **IS: 10500: 2012** with respect to the above test conducted.

End of Test Report

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