



TEST REPORT

Report no: 4527 & 4527 A

Report Date: 25.07.18

Name of the customer : M/s Sivanandha Rajaram Senior Secondary School
Address : NH3, Maraimalai Nagar, Chennai - 603209
Sample Described by the customer : RO WATER
Quantity of the sample received : 2 LTR
Date of sample receipt : 19.07.18
Date of performance : 20.07.18 to 25.07.18

S.No	Parameters	Methods	Unit	Requirement as per IS 14543:2004	Test results
Microbiology requirements					
1	Aerobic microbial count at 37 °C	IS 5402.2012	Cfu/ml	20.Max at 37°C	11
	Aerobic microbial count at 20 – 22°C			100 Max at 20 - 22°C	32
2	Escherichia Coli	IS 15185.2002	Present/absent/250ml	Absent	Absent
3	Coliform	IS 15185.2002	Present/absent/250ml	Absent	Absent
4	Pseudomonas aeruginosa	IS 13428 (Annex D)	Present/absent/250ml	Absent	Absent
5	Sulphate reducing anaerobes	IS 13428 (Annex C)	Present/absent/50ml	Absent	Absent
6	Yeast and mould	IS 5403.1999	Present/absent/250ml	Absent	Absent

Note: All the above test parameters are carried out with the sample "as received condition"

*The above submitted sample is suitable for consumption as per Indian Standards


Authorized Signatory
(Microbiologist)

SAMPLE NO: AEL/2019/4527 A M/s Sivanandha Rajaram Senior Secondary School DATE: 20.07.19
RO WATER

S.No	Parameters	Requirement as per IS 10500-2012	Permissible limit in absence of alternate source	Results
1	Colour(TCU)	5	15	< 1
2	Odour	Agreeable	Agreeable	Agreeable
3	Conductivity	-----	-----	74 μ s/cm
4	Turbidity, NTU	1	5	< 0.1
5	pH Value	6.5 to 8.5	No Relaxation	6.5
6	Total Dissolved Solids	500 mg/l	2000 mg/l	50 mg/l
7	Total Hardness (as CaCO ₃)	200 mg/l	600 mg/l	15 mg/l
8	Carbonate Hardness (as CaCO ₃)	-----	-----	7 mg/l
9	Non Carbonate Hardness (as CaCO ₃)	-----	-----	8 mg/l
10	Phenolphthalein Alkalinity (as CaCO ₃)	-----	-----	NIL
11	Total Alkalinity (as CaCO ₃)	200 mg/l	600 mg/l	7 mg/l
12	Calcium (as Ca)	75 mg/l	200 mg/l	4 mg/l
13	Magnesium (as Mg)	30 mg/l	100 mg/l	1.2 mg/l
14	Chloride (as Cl)	250 mg/l	1000 mg/l	12 mg/l
15	Sulphate (as SO ₄)	200 mg/l	400 mg/l	< 0.1 mg/l
16	Iron (as Fe)	0.3 mg/l	No Relaxation	< 0.01 mg/l
17	Nitrate (NO ₃)	45 mg/l	No Relaxation	< 0.1 mg/l
18	Silica (as SiO ₂)	-----	-----	< 1 mg/l

The above submitted water sample is suitable for Drinking Usage as per specification IS 10500 - 2012 with respect to above tests.

* Sample drawn by Asian Enviro Labs

** The results shown in the report is valid only to the sample and should not be reproduced in any case unless with a written approval from the company.

ASIAN ENVIRO LABS
CHEMIST
Authorized Signatory
(Chemist)