



EREC India Research Laboratory

(ISO 9001:2015 certified Laboratory & Govt. of Assam Recognized Lab)

TEST REPORT

(WATER)

Report Date: 04/03/2024

Form No.: EREC/FM/53

Ref. No.: EREC/2024/125 (B)

Customer Name	Vandya International School	Sample ID. No.	DW- 24/125 (B)
Address & Ph:	NH 31, Opp: Tolaram Bafna Civil Hospital, Amingaon, Guwahati (Assam), PIN- 781039		
Place of collection	Vandya International School Amingaon, Guwahati	Source	R.O Treated water
Sample Received Date	29/02/2024	Date of Sample Collection	29/02/2024
Customer Reference No.	Nil	Test Completed On	04/03/2024

MICROBIOLOGICAL ANALYSIS:

Sl. No	Test parameters	Test Method	Requirement (Max. Desirable Limit) (As per IS 10500:2012)	Results
1	Total Plate Count	IS 5402 : 2012	Shall not exceed 100 cfu/ml	10 cfu/ml
2	Coliform Bacteria	IS 15185 : 2002	Absent in 250ml	Absent
3	<i>Escherichia coli</i>	IS 15185 : 2002	Absent in 250ml	Absent
4	Yeast & Mould	IS 5403 :1999	Absent in 250ml	Absent

END OF THE REPORT

Authorized Signature

Pritam Patra

MD cum QM

N.B: 1). Result corresponds to sample submitted only 2). This report is prepared based upon the test results only.

**STATE REFERRAL LABORATORY, BETKUCHI, GUWAHATI
PUBLIC HEALTH ENGINEERING DEPARTMENT**

Email ID: srlwssophedassam@gmail.com

Doc No: SRL/TEST/02

Test Report

Temperature : 23.5 °C
 Humidity : 64%
 Sample Type : Filter Water
 Sample Collection by : Vandya International School, Amingaon
 Sample received on dated : 27/02/2024
 Sample Quantity : 1000mL (Non-Acidified), 1000 ml (Acidified)
 Date of Analysis started : 28/02/2024
 Date of Analysis Completed : 28/02/2024

Sample No.	Parameter	Protocol Used	SRL Results	Desirable limit	Max. Permissible limit (in absence better alternate source)	Unit
1	pH	APHA 4500H 23 rd Edition	6.88	6.5 - 8.5	No relaxation	pH Units
2	Total Dissolved Solids	APHA 2540 C 23 rd Edition	174	500	2000	mg/L
3	Turbidity	APHA 2130 B 23 rd Edition	0	1	5	NTU
4	Iron	APHA 3500- Fe B 23 rd Edition	0.01	1.0	No relaxation	mg/L
5	Sulphate	APHA 4500 23 rd Edition	48	200	400	mg/L
6	Arsenic	IS 3025: Part 37	BDL	0.01	No relaxation	mg/L
7	Total Hardness	APHA 2340 C 23 rd Edition	133	200	600	mg/L
8	Chloride	APHA 4500 B 23 rd Edition	8.50	200	1000	mg/L
9	Total Alkalinity	APHA 2320 B 23 rd Edition	140	200	600	mg/L
10	Calcium (as Ca)	APHA 3500-Ca (B) 23 rd Edition	36.3	75	200	mg/L
11	Fluoride	IS: 3025: Part 60	1.30	1	1.5	mg/L
12	Nitrate	APHA 4500 NO3-B 23 rd Edition	0.602	45	45	mg/L

* BDL-Below detection limit(Detection limit≥0.009 mg/L

Notes:

- The results given above are related to the sample as received and tested in this laboratory. Reliability of sample lies with the sender.
- The test report cannot be regenerated/re-produced in whole or in part without written permission of Laboratory.
- The test report cannot be used for any publicity or any legal purpose.
- The test samples meant for chemical analysis will be disposed of after 15 days from the date of issue of test report unless until specifically requested by the customer for retaining over a longer period.

.....END OF TEST REPORT.....

Authorized Signatory
 State Referral Laboratory (P.H.E.)
 Public Health Engineering Department
 Betkuchi, Guwahati
 Sr. Water Analyst, SRL i/c
 PHED.Betkuchi-35

**STATE REFERRAL LABORATORY, BETKUCHI, GUWAHATI
PUBLIC HEALTH ENGINEERING DEPARTMENT**

Doc No: SRL/TEST/01

Email ID: srlwssophedassam@gmail.com

Test Report

Temperature : 23.5 ° C
 Humidity : 64%
 Sample Type : Raw Water
 Sample Collection by : Vandya International School, Amingaon
 Sample received on dated : 27/02/2024
 Sample Quantity : 1000mL (Non-Acidified) , 1000 ml (Acidified)
 Date of Analysis started : 28/02/2024
 Date of Analysis Completed : 28/02/2024


Sample No.	Parameter	Protocol Used	SRL Results	Desirable limit	Max. Permissible limit (in absence better alternate source)	Unit
1	pH	APHA 4500H 23 rd Edition	5.76	6.5 - 8.5	No relaxation	pH Units
2	Total Dissolved Solids	APHA 2540 C 23 rd Edition	64.9	500	2000	mg/L
3	Turbidity	APHA 2130 B 23 rd Edition	0	1	5	NTU
4	Iron	APHA 3500- Fe B 23 rd Edition	0.23	1.0	No relaxation	mg/L
5	Sulphate	APHA 4500 23 rd Edition	40	200	400	mg/L
6	Arsenic	IS 3025: Part 37	BDL	0.01	No relaxation	mg/L
7	Total Hardness	APHA 2340 C 23 rd Edition	36.28	200	600	mg/L
8	Chloride	APHA 4500 B 23 rd Edition	7.79	200	1000	mg/L
9	Total Alkalinity	APHA 2320 B 23 rd Edition	50	200	600	mg/L
10	Calcium ((as Ca)	APHA 3500-Ca (B) 23 rd Edition	8.89	75	200	mg/L
11	Fluoride	IS: 3025: Part 60	0.069	1	1.5	mg/L
12	Nitrate	APHA 4500 NO3-B 23 rd Edition	0.086	45	45	mg/L

* BDL-Below detection limit(Detection limit≥0.009 mg/L

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4. The test samples meant for chemical analysis will be disposed of after 15 days from the date of issue of test report unless until specifically requested by the customer for retaining over a longer period.

.....END OF TEST REPORT.....

Authorized Signatory

 Sr. Water Analyst, SRL i/c
 PHED, Betkuchi-35