



STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR

Format No.: SLWTL/FRM/02

Issue No.: 119



TC-15876

TEST REPORT

Issue Date: 21.04.2025

Report No: SLWTL/2025/GW-5102

ULR No.- TC1587625000000119F

Date of Reporting: 21.04.2025

Name of the Organisation/Person: Daffodils International Public School

Location Details: Chakdaulat Near NH – 30, (Four Lane) Bakhtiyarpur, Patna – 803202

Ref Memo No: DIPS/TEST/2025/193, Dated – 15.04.2025

Sample Received on: 15.04.2025

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): No

Type of Sample: Ground Water

Source of Sample: Bore Well

Volume of Sample: 1 Ltr.

Type of Container: Plastic

Mode of Preservation: Preserved

Sample Condition: Sealed

Deviation of Method, If Any: NIL

Date of Sampling: 15.04.2025

Date of Analysis Started: 16.04.2025

Date of Analysis Completed: 19.04.2025

Remarks: Submitted sample of water confirm to IS:10500-2012 with respect to tested parameters.

Sl. No.	Parameters	Minimum Detection Limit	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters	Results
1	pH Value	2.0	6.5-8.5	No relaxation	4500-H+B, APHA 24 th Ed. 2023	7.05
2	Turbidity, NTU	1.0	1	5	2130 B, APHA 24 th Ed. 2023	<1.0
3	Conductivity, μ mhos/cm	5.0	-	-	2510 B, APHA 24 th Ed. 2023	1270.00
4	Total Dissolved Solid, mg/l	10.0	500	2000	2540 C, APHA 24 th Ed. 2023	826.00
5	Total Hardness (as CaCO_3), mg/l	10.0	200	600	2340 C, APHA 24 th Ed. 2023	376.00
6	Calcium (as Ca), mg/l	5.0	75	200	3500-Ca B, APHA 24 th Ed. 2023	89.77
7	Magnesium (as Mg), mg/l	2.0	30	100	3500-Mg B, APHA 24 th Ed. 2023	36.93
8	Chloride (as Cl), mg/l	5.0	250	1000	4500-Cl B, APHA 24 th Ed. 2023	95.95
9	Alkalinity (as CaCO_3), mg/l	10.0	200	600	2320 B, APHA 24 th Ed. 2023	334.00
10	Iron (as Fe), mg/l	0.01	1.0	No relaxation	3500-Fe B, APHA 24 th Ed. 2023	0.16
11	Nitrate (as NO_3), mg/l	0.5	45	No relaxation	4500- NO_3 B, APHA 24 th Ed. 2023	33.49
12	Sulphate (as SO_4), mg/l	5.0	200	400	4500- SO_4^{2-} E, APHA 24 th Ed. 2023	131.60
13	Fluoride (as F), mg/l	0.2	1.0	1.5	4500-F C, APHA 24 th Ed. 2023	0.25
14	Arsenic (as As), mg/l	0.010	0.01	No relaxation	3500-As B, APHA 24 th Ed. 2023	<0.010

Note: * (i) Drinking Water Specification Second Revision -IS: 10500:2012., ND=Not Done, NR=Not Required.

Ravi Shankar
(Ravi Shankar)

Signature of Lab-in-charge

Copy forwarded to: (i) S.R.O., PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar

SLWTL P.H.E.D. Patna

Received By

1. The results are reported based on the materials received. 2. Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of the competent authority of the Laboratory.

----- END OF TEST REPORT -----

Prepared by:

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Quality Manager

Approved by:

Franklin
S.R.O cum Technical Manager

Issued by:

Ravi Shankar
Research Assistant cum Lab-in-charge

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Revision Date: Nil