



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

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Certificate
No.: TC-5752

TEST REPORT

Report No: SLWTL/2024/GW-11055 ULR No.- TC575224000000225F Date of Reporting: 24.06.2024

Name of the Organisation/Person: A.B. ASCENT PUBLIC SCHOOL

Location Details: THANA ROAD, AMARPUR, BANKA, BIHAR

Ref Memo No: R/HNS/Phd/13/2024, Dated- 21.06.2024

Sample Received on: 21.06.2024

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: R.O. Water

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: 21.06.2024

Date of Analysis Started: 21.06.2024

Date of Analysis Completed: 24.06.2024

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 (APHA 23 rd Ed. 2017)	Results
1	pH Value	2.0	6.5-8.5	No relaxation	4500-H ⁺ B, 4-95 to 4-99	7.25
2	Turbidity, NTU	4.0	1	5	2130 B, 2-13 to 2-15	<4.0
3	Conductivity, μ mhos/cm	1.0	-	-	2510 B, 2-58 to 2-59	181.50
4	Total Dissolved Solid, mg/l	10.0	500	2000	2540C, 2-69 to 2-70	118.00
5	Total Hardness(as CaCO ₃), mg/l	10.0	200	600	2340C, 2-48 to 2-50	80.00
6	Calcium(as Ca), mg/l	5.0	75	200	3500-Ca B, 3-69	20.84
7	Magnesium(as Mg), mg/l	2.0	30	100	3500-Mg B, 3-86	6.80
8	Chloride(as Cl), mg/l	5.0	250	1000	4500-Cl B, 4-75	3.99
9	Alkalinity(as CaCO ₃), mg/l	10.0	200	600	2320B, 2-37	95.00
10	Iron(as Fe), mg/l	0.01	1.0	No relaxation	3500-FeB 3-80 to 3-82	<0.01
11	Nitrate(as NO ₃), mg/l	1.0	45	No relaxation	4500-NO ₃ B, 4-127, to 4-129	<1.0
12	Sulphate(as SO ₄), mg/l	5.0	200	400	4500-SO ₄ E, 4-199 to 4-200	2.10
13	Fluoride(as F), mg/l	0.01	1.0	1.5	4500-F C, 4-90 -4-92	0.19
14	Arsenic(as As), mg/l	0.005	0.01	No relaxation	3500-As A & B, 3-66 to 3-68	<0.005

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

Ravi Shankar
24.06.24
(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

Lab-in-charge
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: <i>Anjali Khatun</i> Quality Manager	Approved by: <i>Franklin</i> S.R.O cum Technical Manager	Issued by: <i>Ravi Shankar</i> Research Assistant cum Lab-in-charge	Page 1 of 2 Revision No.: 0 Revision Date: Nil
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Anjali Khatun
Principal
A.B. ASCENT PUBLIC SCHOOL
Thana Road, Amarpur, Banka

Ravi Shankar
Manager
A.B. ASCENT PUBLIC SCHOOL
Thana Road, Amarpur, Banka