

(NBCTAL-DECEMBER-2025 MICRO-DIVISION)

Registered Under Govt. of West Bengal, DIC Entrepreneur's Memorandum No.: 190012110563 dt. 09/10/2009.

Registered Under Govt. of India, MSME Udyog Aadhaar Registration UAM No.: WB06D0003024 dt.12/02/2020.

Sample Deposit & Report Collection Office Cum Lab: Maa Kalyani Kali Bari, Gadadhar sarani
Rabindra nagar, P. O Rabindra Sarani, Siliguri, Pin-734006, Dist-Darjeeling, State-West Bengal, India.

Phone: 97330-30549 / 0353-3550566. Email. nbctslg09@gmail.com

Certificate for Water analysis

Name and address of client:

TO
AE (E/M), GARRISON ENGINEERS
NEW MIL STN, GANGTOK, SIKKIM-737102.

Analysis Report Number

NBCTAL /12/2025/51

RESULTS OF ANALYSIS

Sample Received on	Analysis Duration	Sample Description & Work /Service Order No. of client's, Work Order Dated.	Quantity of Sample	Sample Submitted by
30/12/2025	30/12/2025 to 09/01/2026	Water Sample Location – (1.4) Arty Bde Water Work Order No. 4015/07/E4, Dated- 30 Dec 2025.	1x 1000 ml (approx.)	Drawn by Party (Sample will be destroyed by us after issuance of this certificate)

Table 1- Physical & Chemical Test:

Sl No. (1)	Characteristic (2)	Requirement (Max. Desirable Limit as per IS 10500: 2012) (3)	Permissible Limit in the Absence of Alternate Source (4)	Method of Test, Ref to Part of IS 3025(5)	Results Obtained
1.	Turbidity, NTU, Max	1	5	IS 3025 (Part 10)	0.20 NTU
2.	pH value	6.5 - 8.5	No relaxation	IS 3025 (Part 11)	7.05
3.	Total Dissolved solids (TDS), mg/l, Max	500	2000	IS 3025 (Part 16)	27 mg/l
4.	Taste	Agreeable	Agreeable	IS 3025 (Part 7 & 8)	Agreeable
5.	Colour, Hazen units, Max	5	15	IS 3025 (Part 4)	1 Hazen Units
6.	Iron (as Fe), mg/l, Max	1	No relaxation	IS 3025 (Part 53)	0.03 mg/l
7.	Manganese (as Mn), mg/l, Max	0.1	0.3	IS 3025 (Part 59)	0.01 mg/l
8.	Nitrate (as NO ₃), mg/l, Max	45	No relaxation	IS 3025 (Part 34)	1.40 mg/l
9.	Fluoride (as F) mg/l, Max	1.0	1.5	IS 3025 (Part 60)	0.20 mg/l
10.	Residual Chlorine, mg/l, Min	0.2	1	IS 3025 (Part 26)	0.20 mg/l
11.	Copper (as Cu), mg/l, Max	0.05	1.5	IS 3025 (Part 42)	Less than 0.05
12.	Alkalinity (as CaCO ₃), mg/l, Max	200	600	IS 3025 (Part 23)	12 mg/l
13.	Odour	Agreeable	Agreeable	IS 3025 (Part 5)	Agreeable
14.	Chloride (as Cl), mg/l, Max	250	1000	IS 3025 (Part 32)	18.30 mg/l
15.	Total hardness (as CaCO ₃), mg/l, Max	200	600	IS 3025 (Part 21)	15 mg/l
16.	Mercury (Heavy Metals) as (Hg)mg/l, Max	0.001	No relaxation	IS3025 (part 48)	Less than 0.001
17.	Arsenic (Heavy Metals) as (As), mg/l, Max	0.01	No relaxation	IS3025 (part 37)	Less than 0.01
18.	Lead (Heavy Metals) as (Pb), mg/l, Max	0.01	No relaxation	IS 3025 (Part 47)	Less than 0.01

Table 2- Bacteriological Test:

Sl No. (1)	Organisms (2)	Requirement (Max. Desirable Limit as per IS-10500: 2012) (3)	Method of Test, MPN	Results Obtained
19.	Coliform Bacteria	Shall not be detectable in any 100 ml sample	IS 1622-1981(Reaff.2003)	Absent
20.	E. coli	Shall not be detectable in any 100 ml sample	IS 1622-1981(Reaff.2003)	Absent

Impression Results are within tolerance limit & Water Bacteriologically Safe.

Date of Issue: 10/01/2020

For N.B.C.T.A.L
S. M. L. CHEMICAL
(Authorised Signatory) S.L.A.P.

NORTH DE
WORKING AND A
19001211050

Registration Dt. 09/10/2016 Customer
7220-30549

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laboratory. Ph. 3

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NOTE:

1. The results given above are related to the tested sample, as received & parameters as mentioned in Work Service Order by the customer for the above tests only.

2. In case of lack of correlation due to technical/typing error, laboratory should be informed immediately for retest.

3. This test report will not be generated again, either wholly or in part, without permission of the Laboratory.

4. Contents of this report are meant for your guidance and should not be used for advertisements, evidence or litigation. NBCTL is not an NABL lab.

5. Responsibility of the Laboratory is limited to the invoiced amount only. Any type of consultancy on plant/project set up is not provided by NBCTAL.

=REPORT ENDS.