

NORTH BENGAL CHEMICAL TESTING AND ANALYSIS LAB (NBCTAL-MARCH-2024 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, P. O Rabindra sarani
 Rabindra nagar, Siliguri, Pin-734006, Dist-Darjeeling, State-West Bengal, India. Phone: 97330-30549/ 0353-3550566
 Email.nbctslg09@gmail.com/siligurilab@gmail.com/www.northbengalchemicaltestingandanalysislab.siliguri**

Certificate for Spring Water analysis

Name and address of client:

M/S. BHAWANA EDUCATIONAL ACADEMY
 MAMRING, RANGPO, SOUTH SIKKIM-737132.

Analysis Report Number

NBCTAL /03/2024/17

RESULTS OF ANALYSIS AS PER IS: 10500-2012

Sample Received on	Analysis Duration	Sample Description & Work /Service Order No. of client's, Work Order Dated.	Quantity of Sample	Sample Submitted by
12/03/2024	12/03/2024 to 18/03/2024	Source of sample—Spring Water Collection Site—Bhawana Educational Academy Date of Collection—12/03/2024 Time of Collection— 10.00AM Purpose of use—Drinking for students Number of samples to be Tested---01 no. Work /Service Order No. --Water/Sample/ 12/03 /2024, Dated—12/03/ 2024.	1 x 1000ml (approx)	Drawn by Party (Sample will be destroyed by us after issuance of this certificate).

Table 1-Organoleptic and Physical Parameter (Foreword and Clause 4) OR Physical Test:

Sl No. (1)	Characteristic (2)	Requirement (Acceptable Limit)(3)	Permissible Limit in the Absence of Alternate Source(4)	Method of Test, Ref to Part of IS 3025(5)	Results Obtained
i)	pH value	6.5 - 8.5	No relaxation	IS 3025 (Part 11)	7.15
ii)	Total Dissolved solids (TDS), mg/l, Max	500	2000	IS 3025 (Part 16)	56 mg/l

Table 2-General Parameters Concerning Substances Undesirable in Excessive Amounts (Foreword and C-4) OR Chemical Test:

Sl No. (1)	Characteristic (2)	Requirement (Acceptable Limit)(3)	Permissible Limit in the Absence of Alternate Source(4)	Method of Test, Ref to Part of IS 3025(5)	Results Obtained
i)	Iron (as Fe), mg/l, Max	1	No relaxation	IS 3025 (Part 53)	0.08 mg/l
ii)	Calcium (as Ca), mg/l, Max	75	200	IS 3025 (Part 40)	09.00 mg/l
iii)	Magnesium (as Mg), mg/l Max.	3.0	100	IS 3025 (Part 46)	2.00 mg/l
iv)	Total hardness (as CaCO ₃), mg/l, Max	200	600	IS 3025 (Part 21)	31 mg/l

Table 6-Bacteriological Quality of Drinking Water (Clause 4.1.1) OR Bacteriological Test:

Sl No. (1)	Organisms (2)	Requirement (3)	Method of Test, MPN	Results Obtained
i)	E. coli or thermotolerant coliform bacteria	Shall not be detectable in any 100 ml sample	IS 1622-1981(Reaff.2003)	Absent
ii)	Total Coliform Bacteria	Shall not be detectable in any 100 ml sample	IS 1622-1981(Reaff.2003)	Absent

Impression: Results are within tolerance limit as per BIS 10500; 2012, Amendment No. 1, 2015 & Water Bacteriologically Safe.

Date of Issue: 18/03/2024	For N.B.C.T.A.L  NORTH BENGAL CHEMICAL TESTING AND ANALYSIS LAB Registered No. 190012110563 Dt. 09/10/2009 Phone: 97330-30549
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NOTE:

- The results given above are related to the tested sample, as received & parameters as mentioned in the report.
- In case of lack of compliance due to technical/typing error, laboratory should be informed immediately for rectification/review/resembling and retesting etc.
- This test report will not be re-generated again, either wholly or in part, without permission of the Laboratory.
- Contents of this report are meant for your guidance and should not be used for advertisements, evidence or litigation. NBCTAL is not an NABL lab.
- 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.



GOVERNMENT OF SIKKIM
OFFICE OF THE ASSISTANT ENGINEER
PUBLIC HEALTH ENGINEERING DEPARTMENT
RAVANGLA SUB-DIVISION, SOUTH SIKKIM.

Memo no:- 48/PHED/RAV-SD/2024-25

Dated:-25/04/2024


“ TO WHOM IT MAY CONCERN ”

Bhawana Education Academy, Mamring in South Sikkim is supplied with potable drinking water from the nearby perennial stream, discharge of which is recorded to be sufficient enough to meet up water demand for the said institution.

The water sample collected from the above cited source was tested at laboratory of Water Treatment Plant at Damthang in South Sikkim under PHE Department, Government of Sikkim and the tested values is mentioned as below:-

1. TDS (Total Dissolved Solids) measured in ppm: **80**
2. PH (Potential of Hydrogen) value: **7.40**

In view of the above, drinking water supply to Bhawana Education Academy, Mamring can be considered safe and suitable for the students and faculties.


Assistant Engineer,
PHE Department,
Ravangla Sub-Division,
Government of Sikkim.



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