



THE KOLKATA MUNICIPAL CORPORATION
CENTRAL LABORATORY (WATER SECTION), HEALTH
1A, HOGG STREET, KOLKATA - 700087

WATER TEST REPORT

Ref. No. CL/WTR/OPS-04/24-25

| | | |
|--|---------------------------------|-------------------------------|
| Name of Client and Address: LAKSHMIPAT SINGHANIA ACADEMY 12 B, ALIPORE ROAD, Pincode - 700027 | Receipt number with date | E/2024/1496, dated 08/05/2024 |
| | Sample Type | Drinking water |
| | Sample Received From | Water Purifier |
| | Sample Received On | 15/05/2024 |

Water Analysis Result

Microbiological Analysis

| Sl. No. | Characteristic | Limit as per Drinking Water Standard: IS:10500, 2012 | Test Method | Result |
|---------|----------------------------|--|---------------|--------------|
| 1. | Total Coliform Count/100ml | Not Detectable | IS 15185-2016 | Not Detected |
| 2. | Fecal Coliform Count/100ml | Not Detectable | IS 15185-2016 | Not Detected |

(B) Chemical Analysis

| Sl No. | Test Parameter | Test Method | As per Drinking Water Standard: IS: 10500:2012 | | Result |
|--------|--|--------------------------------|--|-------------------|--------|
| | | | Acceptable Limit | Permissible Limit | |
| 1. | pH value at 25°C | IS 3025(Part 11):1984(RA 2012) | 6.5-8.5 | No Relaxation | 6.63 |
| 2. | Turbidity in NTU | IS 3025(Part 10):1984(RA2012) | 1 | 5 | 0.27 |
| 3. | Chloride(as Cl) in mg/l | IS 3025(Part 32):1988(RA2014) | 250 | 1000 | 20.12 |
| 4. | Alkalinity (as CaCO ₃) in mg/l | IS 3025(Part 23):1986(RA2014) | 200 | 600 | 38.34 |
| 5. | Total Hardness (as CaCO ₃) in mg/l | IS 3025(Part 21):2013 | 200 | 600 | 7.97 |
| 6. | Calcium(as Ca) in mg/l | IS 3025(Part 40):1991(RA2014) | 75 | 200 | BDL |
| 7. | Magnesium(as Mg) in mg/l | IS 3025(Part 46):1994(RA2014) | 30 | 100 | 1.91 |
| 8. | Total Dissolved Solid(TDS) in mg/l | IS 3025(Part 16):1984(RA2012) | 500 | 2000 | 48.00 |
| 9. | Sulphate(as SO ₄) in NTU | IS 3025(Part 24):1986(RA2014) | 200 | 400 | 1.79 |
| 10. | Iron (as Fe) in mg/l | IS 3025(Part 53):1988(RA2014) | 0.3 | No Relaxation | 0.14 |

*BDL – Below Detectable Limit.

REMARKS: Water is potable in respect to the above parameters of IS 10500:2012

Dated: 21-05-2024

Handwritten Signature
Analyst 21/05/24

Central Laboratory
The Kolkata Municipal Corporation

ANALYST
CENTRAL LABORATORY
KMC

Handwritten Signature

Handwritten Signature





N.D. INTERNATIONAL

GOVERNMENT REGISTERED

An ISO 9001 : 2015 Company Certificate : 18DQCM02



Date: 20.12.2023

To Whom It May Concern

We certify that our team visited LakshmiPat Singhania Academy, situated at 12-B Alipore Road, Kolkata 700 027 and after testing the water in the Academy have found that the Academy is maintaining clean and hygienic drinking water and fit for human consumption with respect to mention test parameters in our report no.

NDI/WTR/2023-24/02944 Dated :-20.12.23

Thanks & Regards

For N.D. international



Mk



J Misra

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TEST REPORT



TC - 5910

ULR No.:TC591023000008089F

Format No.: NDI/FM/50

Certificate No : NDI/WTR/23-24/02944

Dated : 19/12/2023

Sample Drawn By : N.D. International

Page No.: 1 of 2

Name of Customer : Lakshimpat Singhania Academy
Address : 12B, Alipore Road, Kolkata - 700027

Description of Sample : Drinking Water
Collection Source : 2nd Floor Drinking Water Tap

Sampling Done by : Mr. Raju Ghosh
Environmental Condition : Temperature : 26°C, Humidity : 45%
Sample Drawn on : 13/12/2023
Analysis Started on : 13/12/2023
Analysis Completed on : 19/12/2023

Sample Quantity : 2.2 Ltr.

Sample Received on : 13/12/2023

Method of Sampling : IS-1622:1981, IS-17614:(P-25):2022 (Bact), IS-17614:(P-5):2021(Chem)
Mode of Sampling : Grab
Sampling Plan : NDI/FM/52A

TEST RESULT

| Sl.No. | Parameters | Test Method | Unit | Results | Norms as per IS 10500:2012 | |
|---|-------------------------|--------------------------------|-------|--------------|----------------------------|-------------------|
| | | | | | Acceptable Limit | Permissible Limit |
| Organoleptic & Physical Parameters | | | | | | |
| 1 | Colour | IS 3025 (Part 4) | Hazen | <1(DL:1) | Max 5.0 | Max 15 |
| 2 | Odour | IS 3025 (Part 5) | - | Agreeable | Agreeable | Agreeable |
| 3 | pH at 25°C | APHA (23rd Edition) 4500 H+ B | - | 6.5 | 6.5-8.5 | No relaxation |
| 4 | Taste | IS 3025 (Part 8) | - | Agreeable | Agreeable | Agreeable |
| 5 | Turbidity. | APHA(23rd Edition) 2130B | NTU | <1(DL:1) | Max 1.0 | Max 5.0 |
| 6 | Total Dissolved Solids. | APHA (23rd Edition) 2540C | mg/l | 32 | Max 500 | Max 2000 |
| General Parameters Concerning Substances Undesirable | | | | | | |
| 7 | Calcium (as Ca) | APHA (23rd Edition), 3500-Ca B | mg/l | 0.9 | Max 75.0 | Max 200 |
| 8 | Chloride (as Cl). | APHA(23rd Edition)4500 Cl B | mg/l | 9.8 | Max 250 | Max 1000 |
| 9 | Iron (as Fe) | APHA (23rd Edition), 3500-Fe B | mg/l | <0.1(DL:0.1) | Max 0.3 | No relaxation |

1. The test report shall not be reproduced,except in full,without written approval of the company.
2. Results relate only to the parameters tested.
3. The remaining sample after test will be retained for 15 days from the date of issue of certificate.



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Page No.: 2 of 2

| Sl.No. | Parameters | Test Method | Unit | Results | Norms as per IS 10500:2012 | |
|--|---|---------------------------------|------|-----------|----------------------------|-------------------|
| | | | | | Acceptable Limit | Permissible Limit |
| 10 | Magnesium (Mg) | APHA (23rd Edition) 3500-Mg | mg/l | 0.52 | Max 30.0 | Max 100 |
| 11 | Sulphate (as SO4). | APHA (23rd Edition), 4500-SO4 E | mg/l | <5(DL:5) | Max 200 | Max 400 |
| 12 | Total Alkalinity as CaCO3. | APHA (23rd Edition), 2320 B | mg/l | 23 | Max 200 | Max 600 |
| 13 | Total Hardness (as CaCO3). | APHA(23rd Edition) 2340 C | mg/l | 4.4 | Max 200 | Max 600 |
| Microbiological Test Parameters | | | | | | |
| 14 | Total Coliform/100ml @ 37°C for 24 hours | IS 1622 | cfu | <1 (DL:1) | Not Detectable | Not Detectable |
| 15 | Detection of E. coli/100 ml @ 44.5°C for 24 hours | IS 1622 | - | Absent | Not Detectable | Not Detectable |

Note : DL - Detection Limit, Max - Maximum, As per IS 10500:2012 Total Coliform should be Not Detectable/100ml, which is equivalent to <1 Cfu/100 ml as per IS: 1622: 1981.

Remarks : Bacteriologically: Satisfactory for the above tested parameters. Chemically: Satisfactory for the above tested parameters. Statement of Conformity is applied considering Decision Rule as per ISO Guide 98-4.

End of Report

FOR N.D. INTERNATIONAL

Tathagata Talukder
HOD
Authorized Signatory



FOR N.D. INTERNATIONAL

K. P. De
CEO
Authorized Signatory

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KOTHARI & ASSOCIATES

ARCHITECTS • ENGINEERS • TOWNPLANNERS

KA: CAL: L8/477

19th December, 2023

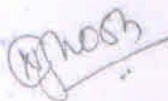
TO WHOMSOEVER IT MAY CONCERN

**CERTIFICATE FOR SANITARY AND SEWAGE DISPOSAL
SYSTEM AT LAKSHMIPAT SINGHANIA ACADEMY
12B ALIPORE ROAD, KOLKATA - 700 027**

This is to certify that the Sanitary Provision and Sewage Disposal System incorporated and in operation includes sufficient fixtures and facilities to suit the number of users in the building as per The National Building code.

The Sewage is connected to the City Sewerage System.

For KOTHARI & ASSOCIATES



(NIBEDITA GHOSH)

NIBEDITA GHOSH
ARCHITECT
SL. NO. - 284A
CA. NO. - 95 / 18098
Kothari & Associates
14B, Camac Street, Kol - 17

