



N.D. INTERNATIONAL

GOVERNMENT REGISTERED

An ISO 9001:2015 Company Certificate : 20DQHH82



eiaci

مركز الاعتمادات العالمي للاعتماد
Emirates International Accreditation Centre
035-CB-QMS

TEST REPORT

Certificate No : W(D)-(NN)/22-23/1334

Dated: 16.07.2022

SAMPLE DRAWN BY US :

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Name of Customer : M/s. LakshmiPat Singhania Academy
 Address : 12. B, Alipore Road, Kolkata- 700027
 Description of Sample : Drinking Water
 Collection Source : 3rd Floor R.O. Tap Water
 Sampling Done by : Mr. Ashish Bhattacharya
 Environmental Condition : Temperature : 33°C, Humidity : 66%
 Sample Drawn on : 11.07.2022
 Analysis Started on : 11.07.2022
 Analysis Completed on : 16.07.2022
 Method of Sampling : IS 17614 (P-25) : 2022, IS 1622:1981(Bact), IS 17614 (Part-5) :2021(Chem)
 Mode of Sampling : Grab Sampling Plan : NDI/FM/52A

A. MICROBIOLOGICAL PARAMETERS :

| Sl. No. | Test Parameters | Test Method | Unit | Results | Norms as per IS 10500 : 2012 |
|---------|--|--------------|------|-----------|------------------------------|
| 1 | Total Coliform/100ml @ 37°C for 24 hours | IS 1622:1981 | Cfu | <1 (DL:1) | Not Detectable |
| 2 | E. coli/100 ml @ 44.5°C for 24 hours | IS 1622:1981 | --- | Absent | Not Detectable |

B. ORGANOLEPTIC & PHYSICAL PARAMETERS :

| Sl. No. | Test Parameters | Test Method | Unit | Results | Norms as per IS 10500:2012 | |
|---------|------------------------|--------------------------------------|-------|-----------|----------------------------|---------------|
| | | | | | AL(Max.) | PL(Max.) |
| 3 | Colour | APHA 23rd Edn, 2120B | Hazen | <1 (DL:1) | 5 | 15 |
| 4 | Odour | APHA 23rd Edn, 2150B | -- | Agreeable | Agreeable | Agreeable |
| 5 | pH at 25°C | APHA 23rd Edn, 4500 H ⁺ B | -- | 6.5 | 6.5 - 8.5 | No Relaxation |
| 6 | Taste | IS: 3025(Part-8) 1984 | -- | Agreeable | --- | --- |
| 7 | Turbidity | APHA 23rd Edn, 2130-B | NTU | <1 (DL:1) | 1.0 | 5.0 |
| 8 | Total Dissolved Solids | APHA 23rd Edn, 2540-C | mg/L | 30 | 500 | 2000 |

C. GENERAL PARAMETERS :

| | | | | | | |
|----|------------------------|---------------------------|------|-----------------|------|---------------|
| 9 | Aluminium as Al | APHA 23rd Edn, 3113B | mg/L | <0.03 (DL:0.03) | 0.03 | 0.2 |
| 10 | Calcium as Ca | APHA 23rd Edn, 3500- Ca B | mg/L | 0.8 | 75 | 200 |
| 11 | Chloride as Cl | APHA 23rd Edn, 4500 Cl-B | mg/L | 12 | 250 | 1000 |
| 12 | Copper as Cu | APHA 23rd Edn, 3111-B | mg/L | <0.05 (DL:0.05) | 0.05 | 1.5 |
| 13 | Fluoride as F | APHA 23rd Edn, 4500- F D | mg/L | <0.1 (DL:0.1) | 1.0 | 1.5 |
| 14 | Residual Free Chlorine | IS 3025 (Part 26): 1986 | mg/l | <0.1 (DL:0.1) | 0.20 | 1.0 |
| 15 | Iron as Fe | APHA 23rd Edn, 3500- Fe B | mg/L | <0.1 (DL:0.1) | 0.30 | No Relaxation |
| 16 | Magnesium as Mg | APHA 23rd Edn, 3500- Mg B | mg/L | 0.49 | 30 | 100 |
| 17 | Manganese as Mn | APHA 23rd Edn, 3111B | mg/l | <0.02 (DL:0.02) | 0.1 | 0.3 |
| 18 | Mineral oil | APHA 23rd Edn, 5520 B | mg/L | <0.1 (DL:0.1) | 0.5 | No relaxation |



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| Sl. No. | Test parameters | Test method | Unit | Results | Norms as per IS 10500:2012 | |
|---------|---|--|------|-------------------|----------------------------|---------------|
| | | | | | AL(Max.) | PL(Max.) |
| 19 | Nitrate as NO ₃ | APHA 23rd Edn, 4500-NO ₃ B | mg/l | <0.2 (DL:0.2) | 45 | No relaxation |
| 20 | Phenolic Compound as C ₆ H ₅ OH | APHA 23rd Edn, 5530- C | mg/L | <0.001 (DL:0.001) | 0.001 | 0.002 |
| 21 | Selenium as Se | APHA 23rd Edn, 3114C | mg/L | <0.005 (DL:0.005) | 0.01 | No relaxation |
| 22 | Sulphate as SO ₄ | APHA 23rd Edn, 4500- SO ₄ ²⁻ E | mg/L | <5 (DL:5) | 200 | 400 |
| 23 | Total Alkalinity as CaCO ₃ | APHA 23rd Edn, 2320-B | mg/L | 14.7 | 200 | 600 |
| 24 | Total Hardness as CaCO ₃ | APHA 23rd Edn, 2340-C | mg/L | 4 | 200 | 600 |
| 25 | Zinc as Zn | APHA 23rd Edn, 3111B | mg/l | <0.05 (DL:0.05) | 5 | 15 |

D. TOXIC SUBSTANCES :

| | | | | | | |
|----|----------------------|--------------------------|------|-------------------|-------|---------------|
| 26 | Cadmium as Cd | APHA 23rd Edn, 3113B | mg/l | <0.001 (DL:0.001) | 0.003 | No relaxation |
| 27 | Cyanide as CN | APHA 23rd Edn, 4500-CN-F | mg/l | <0.05 (DL:0.05) | 0.05 | No relaxation |
| 28 | Lead as Pb | APHA 23rd Edn, 3113B | mg/l | <0.005 (DL:0.005) | 0.01 | No relaxation |
| 29 | Mercury as Hg | APHA 23rd Edn, 3112B | mg/l | <0.001 (DL:0.001) | 0.001 | No relaxation |
| 30 | Arsenic as As | APHA 23rd Edn, 3114C | mg/l | <0.002 (DL:0.002) | 0.01 | 0.05 |
| 31 | Total Chromium as Cr | APHA 23rd Edn, 3111B | mg/l | <0.05 (DL:0.05) | 0.05 | No relaxation |

Note : 1. AL - Acceptable Limit. 2. PL - Permissible Limit, DL - Detection Limit.

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 TEST REPORT...

For, N.D. International

Sweta Mukherjee
(Microbiologist)
(Authorised Signatory)



For, N.D. International

K. P. De - CEO
(Authorised Signatory)

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.

MB-II

UPHC-74

KOLKATA MUNICIPAL CORPORATION.
19B, CHETLA HAT ROAD. KOLKATA - 700027

TO WHOM IT MAY CONCERN

THE HEALTH TEAM OF THE KOLKATA MUNICIPAL
CORPORATION VISITED THE SCHOOL CAMPUS OF
THE LAKSHMIPAT SINGHANIA ACADEMY LOCATED AT 12B
ALIPORE ROAD, KOLKATA-700027 ON 23/02/2023.

THERE WAS NO GARBAGE ACCUMULATION OR WATER
LOGGING IN THE CAMPUS. THE SANITARY CONDITION OF THE
ABOVE MENTIONED SCHOOL IS SATISFACTORY AT PRESENT.

Ibrahim Shahidullah
01/02/2023
(DR. IBRAHIM SHAHIDULLAH)

MEDICAL OFFICER: UPHC:74

Medical Officer
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National Urban Health Miss.
Kolkata - 700 027