



# N. D. INTERNATIONAL

GOVERNMENT REGISTERED

An ISO 9001:2015 Company | Certificate : 23DQMS20

## TEST REPORT



TC - 5910

Format No.: NDI/FM/50

Dated : 12/08/2024

Page No.: 1 of 2

ULR No.:TC591024000006297F

Certificate No : NDI/WTR/24-25/02000

UID No : NDI/WTR/24-25/02000

Sample Drawn By : N.D. International

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

Description of Sample : Drinking Water  
Collection Source : Washing Area 1st Floor Tap Water

Sampling Done by : Mr. S. Rajak  
Environmental Condition : Temperature : 29°C, Humidity : 57% Sample Quantity : 2 Ltr.  
Sample Drawn on : 06/08/2024 Sample Received on : 07/08/2024  
Analysis Started on : 07/08/2024  
Analysis Completed on : 12/08/2024

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
<b>Organoleptic &amp; Physical Parameters</b>						
1	Colour	IS 3025 (Part 4)	Hazen	<1.0 (DL:1.0)	Max 5.0	Max 15
2	Odour	IS 3025 (Part 5)	-	Agreeable	Agreeable	Agreeable
3	pH at 25°C	APHA (24th Edition) 4500 H+ B	-	6.5	6.5-8.5	No relaxation
4	Taste	IS 3025 (Part 8)	-	Agreeable	Agreeable	Agreeable
5	Turbidity	APHA (24th Edition) 2130B	NTU	<1.0 (DL:1.0)	Max 1.0	Max 5.0
6	Total Dissolved Solids.	APHA (24th Edition) 2540C	mg/l	32	Max 500	Max 2000
<b>General Parameters Concerning Substances Undesirable</b>						
7	Calcium (as Ca)	APHA (24th Edition), 3500-Ca B	mg/l	0.8	Max 75.0	Max 200
8	Chloride (as Cl)	APHA (24th Edition)4500 Cl B	mg/l	12	Max 250	Max 1000

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 days from the date of issue of certificate.



# N. D. INTERNATIONAL

GOVERNMENT REGISTERED

An ISO 9001:2015 Company | Certificate : 23DQMS20

## TEST REPORT



TC - 5910

Format No.: NDI/FM/50

Dated : 12/08/2024

Page No.: 2 of 2

ULR No.: TC591024000006297F

Certificate No : NDI/WTR/24-25/02000

UID No : NDI/WTR/24-25/02000

Sample Drawn By : N.D. International

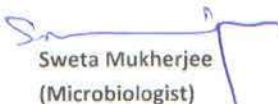
Sl.No.	Parameters	Test Method	Unit	Results	Norms as per IS 10500:2012	
					Acceptable Limit	Permissible Limit
9	Iron (as Fe)	APHA (24th Edition), 3500-Fe B	mg/l	<0.1 (DL:0.1)	Max 0.3	No relaxation
10	Magnesium (Mg)	APHA (24th Edition) 3500-Mg	mg/l	0.49	Max 30.0	Max 100
11	Sulphate (as SO <sub>4</sub> ).	APHA (24th Edition), 4500-SO <sub>4</sub> E	mg/l	<5.0 (DL:5.0)	Max 200	Max 400
12	Total Alkalinity as CaCO <sub>3</sub> .	APHA (24th Edition), 2320 B	mg/l	8	Max 200	Max 600
13	Total Hardness (as CaCO <sub>3</sub> ).	APHA (24th Edition) 2340 C	mg/l	4	Max 200	Max 600
<b>Microbiological Test Parameters</b>						
14	Total Coliform/100ml @ 37°C for 24 hours	IS 1622	-	Absent	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.

**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

  
Sweta Mukherjee  
(Microbiologist)  
Authorized Signatory



FOR N.D. INTERNATIONAL

  
K. P. De  
CEO  
Authorized 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 days from the date of issue of certificate.



The Kolkata Municipal Corporation  
Office of Executive Engineer Water Supply (West)  
212, Rashbehari Avenue, Kol.- 700019

Memo No. *EEWS(N)/04/2024-25*  
Dated: *27.08.24*

To  
Mr. Darshan Singh Gill  
Admin. Officer  
LakshmiPat Singhania Academy  
12B, Alipore Road,  
Kolkata - 700027.

Ref : In response to your letter dated 27.06.2024  
Re : 12B, Alipore Road, Ward no.- 74

Sir,

With reference to your letter dated 27.06.24, it is to be reported that the sample of water as collected from your institute by KMC official has been tested in KMC Laboratory and test report has been issued by KMC on 08.05.24. As certified by KMC Central Laboratory (Water Section), the water in your institution as collected is potable and safe

This report is only applicable in respect of water supply in your institution as mentioned above.

Thanking you,

*J.P.*  
*27/08/24*  
Consulting Engineer  
Water Supply Department  
K.M.C.

*K. Misra*  
*27-08-24*  
Executive Engineer,  
Water Supply Deptt. (West),  
The Kolkata Municipal Corporation  
Executive Engineer (WES-1)  
WATER SUPPLY DEPTT.  
K.M.C.





**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

<b>Name of Client and Address:</b> <b>LAKSHMIPAT SINGHANIA</b> <b>ACADEMY</b> 12 B, ALIPORE ROAD, Pincode - 700027	<b>Receipt number with date</b>	E/2024/1496, dated 08/05/2024
	<b>Sample Type</b>	Drinking water
	<b>Sample Received From</b>	Water Purifier
	<b>Sample Received On</b>	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 <sub>3</sub> ) in mg/l	IS 3025(Part 23):1986(RA2014)	200	600	38.34
5.	Total Hardness (as CaCO <sub>3</sub> ) 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 <sub>4</sub> ) 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

*Mkak -*



*J. Misra*



*Analyst*  
21/05/24

Central Laboratory  
The Kolkata Municipal Corporation

**ANALYST**  
**CENTRAL LABORATORY**  
**KMC**



**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



*Mkhat*



*J. Misra*

7



# N.D. INTERNATIONAL

GOVERNMENT REGISTERED

An ISO 9001:2015 Company | Certificate : 18DQCM02

## 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 : Lakshmipat 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
<b>Organoleptic &amp; Physical Parameters</b>						
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
<b>General Parameters Concerning Substances Undesirable</b>						
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.



# N.D. INTERNATIONAL

GOVERNMENT REGISTERED

An ISO 9001:2015 Company | Certificate : 18DQCM02

## 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.: 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
<b>Microbiological Test Parameters</b>						
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

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.

# KOTHARI & ASSOCIATES

ARCHITECTS • ENGINEERS • TOWNPLANNERS

KA:CAL: L8/477

19<sup>th</sup> December, 2023

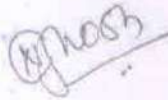
TO WHOMSOEVER IT MAY CONCERN

**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

