



TC - 5910

Format No.: NDI/FM/50

Dated : 08/05/2024

Page No.: 1 of 2

ULR No.:TC591024000003518F

Certificate No : NDI/WTR/24-25/00440

Sample Drawn By : N.D. International

Name of Customer : Ashok Hall Girls Higher Secondary School
Address : 6A, Sarat Bose Road, Kolkata-700020

Description of Sample : Drinking Water
Collection Source : Kitchen Basin Tap

Sampling Done by : Mr. R. Ghosh
Environmental Condition : Temperature : 39°C, Humidity : 22%
Sample Drawn on : 03/05/2024
Analysis Started on : 03/05/2024
Analysis Completed on : 08/05/2024

Sample Quantity : 2.7 Ltr.

Sample Received on : 03/05/2024

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
Organoleptic & Physical Parameters						
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	-	7.2	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	432	Max 500	Max 2000
General Parameters Concerning Substances Undesirable						
7	Calcium (as Ca)	APHA (24th Edition), 3500-Ca B	mg/l	65	Max 75.0	Max 200
8	Chloride (as Cl).	APHA (24th Edition)4500 Cl B	mg/l	96	Max 250	Max 1000
9	Fluoride (as F)	APHA (24th Edition), 4500-F C	mg/l	<0.1 (DL:0.1)	Max 1.0	Max 1.5

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.



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 CB-QMS-035

N. D. INTERNATIONAL

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					Acceptable Limit	Permissible Limit
10	Silica as SiO ₂	APHA (24th Edition), 4500 SiO ₂ D	mg/l	17.67	Not Specified	Not Specified
11	Iron (as Fe)	APHA (24th Edition), 3500-Fe B	mg/l	<0.1 (DL:0.1)	Max 0.3	No relaxation
12	Magnesium (Mg)	APHA (24th Edition) 3500-Mg	mg/l	19.25	Max 30.0	Max 100
13	Nitrate (as NO ₃)	APHA (24th Edition), 4500-NO ₃ B	mg/l	0.3	Max 45	No relaxation
14	Sulphate (as SO ₄).	APHA (24th Edition), 4500-SO ₄ E	mg/l	33.3	Max 200	Max 400
15	Total Alkalinity as CaCO ₃ .	APHA (24th Edition), 2320 B	mg/l	234	Max 200	Max 600
16	Total Hardness (as CaCO ₃).	APHA (24th Edition) 2340 C	mg/l	242	Max 200	Max 600
Parameters Concerning Toxic Substances						
17	Arsenic (as As)	APHA (24th Edition), 3114, C	mg/l	<0.002 (DL:0.002)	Max 0.01	Max 0.05
Microbiological Test Parameters						
18	Total Coliform/100ml @ 37°C for 24 hours	IS 1622	cfu	<1 (DL:1)	Not Detectable	Not Detectable
19	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. Total Alkalinity, Total Hardness are beyond the Acceptable Limit (Max), but within Permissible Limit (Max). 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

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