

DRAFT REPORT

Issued to :
Kids Corner Happy Sr Sec School
Gandhi Park Chauraha
Near Nagar Nigam, Firozabad
Uttar Pradesh, India

J.O. No. : W20230606-021-033
ULR Code : TC5503 23 2 00015627 F
Report Date : 12-06-2023
Sample Receipt Date : 06-06-2023
Account Manager : BD Team 5
Credit Manager : Gulab Singh

Customer Provided Information:

Nature/Name of the Sample

: **Drinking Water**

Location

: Ground Floor

Laboratory Provided Information:

Sample Quantity & Packaging

: 1 Litre x 10 Pet Bottle, 500ml Sterilized Bottle

Test started on

: 06-06-2023

Test Completed

: 12-06-2023

Method of Sampling

: FL/SOP/B/D-1

Date of Sampling

: 05-06-2023

Sample Collected by

: Mr. Surendra (FARE LABS Representative)

Draft Analysis Report

Physical Description : Water is clear without any sediments, suspended particles & extraneous matter.

S. No.	Parameters	Unit	Test Results	Specifications as per IS-10500:2012	Method
Organoleptic & Physical Parameters					
1	Colour	Hazen	1	5 Max.	IS 3025 (P-4)
2	Odour	--	Agreeable	Agreeable	IS 3025 (P-5)
3	Taste	--	Agreeable	Agreeable	IS 3025 (P-7&8)
4	Total Dissolved Solids	mg/L	104	500 Max.	IS 3025 (P-16)
5	Turbidity	NTU	0.67	1.0 Max.	IS 3025 (P-10)
6	pH value	--	8.00	6.5-8.5	IS 3025 (P-11)
Chemical Analysis					
7	Ammonia	mg/L	ND, (LOQ-0.01)	0.5 Max.	APHA 23 rd Ed.
8	Anionic Detergents (as MBAS)	mg/L	ND, (LOQ-0.01)	0.2 Max.	APHA 23 rd Ed.
9	Calcium (as Ca)	mg/L	20.8	75 Max.	IS 3025 (P-40)
10	Chloramines (as Cl ₂)	mg/L	ND, (LOQ-0.05)	4 Max.	APHA 23 rd Ed.
11	Chloride (as Cl)	mg/L	14.00	250 Max.	IS 3025 (P-32)
12	Cyanide (as CN)	mg/L	ND, (LOQ-0.03)	0.05 Max.	APHA 23 rd Ed.
13	Fluoride (as F)	mg/L	0.08	1.0 Max.	APHA 23 rd Ed.
14	Magnesium (as Mg)	mg/L	8.26	30 Max.	APHA 23 rd Ed.
15	Mineral oil	mg/L	ND, (LOQ-0.01)	1.0 Max.	IS 3025 (P-39)
16	Nitrate (as NO ₃)	mg/L	1.41	45 Max.	APHA 23 rd Ed.
17	Phenolic substances (as C ₆ H ₅ OH)	mg/L	ND, (LOQ-0.0005)	0.001 Max.	APHA 23 rd Ed.
18	Polychlorinated biphenyls	mg/L	BLQ, (LOQ-0.00001)	0.0005 Max.	FL/SOP/GCMS/P-01

Reviewed By

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Authorised Signatory

D Mathur,

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Chemical Analysis					
19	Polynuclear aromatic hydrocarbons (as PAHs)	mg/L	ND, (LOQ-0.00001)	0.0001 Max.	FL/SOP/HPLC-75
20	Residual Free Chlorine	mg/L	ND, (LOQ-0.1)	0.2 Min.	APHA 23 rd Ed.
21	Sulphate (as SO ₄)	mg/L	23.73	200 Max.	APHA 23 rd Ed.
22	Sulphide (as H ₂ S)	mg/L	ND, (LOQ-0.005)	0.05 Max.	APHA 23 rd Ed.
23	Total Alkalinity (as CaCO ₃)	mg/L	75	200 Max.	IS:3025 (P-23)
24	Total Hardness (as CaCO ₃)	mg/L	86	200 Max.	IS 3025 (P-21)
Metal Analysis					
25	Aluminium (as Al)	mg/L	ND, (LOQ-0.01)	0.03 Max.	FL/SOP/ICPMS-01
26	Arsenic (as As)	mg/L	ND, (LOQ-0.002)	0.01 Max.	FL/SOP/ICPMS-01
27	Barium (as Ba)	mg/L	ND, (LOQ-0.01)	0.7 Max.	FL/SOP/ICPMS-01
28	Boron (as B)	mg/L	ND, (LOQ-0.01)	0.5 Max.	FL/SOP/ICPMS-01
29	Cadmium (as Cd)	mg/L	ND, (LOQ-0.001)	0.003 Max.	FL/SOP/ICPMS-01
30	Chromium (as Cr)	mg/L	ND, (LOQ-0.005)	0.05 Max.	FL/SOP/ICPMS-01
31	Copper (as Cu)	mg/L	ND, (LOQ-0.01)	0.05 Max.	FL/SOP/ICPMS-01
32	Iron (as Fe)	mg/L	0.083	1.0 Max.	FL/SOP/ICPMS-01
33	Lead (as Pb)	mg/L	ND, (LOQ-0.002)	0.01 Max.	FL/SOP/ICPMS-01
34	Manganese (as Mn)	mg/L	ND, (LOQ-0.005)	0.1 Max.	FL/SOP/ICPMS-01
35	Mercury (as Hg)	mg/L	ND, (LOQ-0.0005)	0.001 Max.	FL/SOP/ICPMS-01
36	Molybdenum (as MO)	mg/L	ND, (LOQ-0.002)	0.07 Max.	FL/SOP/ICPMS-01

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Draft Analysis Report

S. No.	Parameters	Unit	Test Results	Specifications as per IS-10500:2012	Method
Metal Analysis					
37	Nickel (as Ni)	mg/L	ND, (LOQ-0.002)	0.02 Max.	FL/SOP/ICPMS-01
38	Selenium (as Se)	mg/L	ND, (LOQ-0.005)	0.01 Max.	FL/SOP/ICPMS-01
39	Silver (as Ag)	mg/L	ND, (LOQ-0.05)	0.1 Max.	FL/SOP/ICPMS-01
40	Uranium (as U)	mg/L	ND, (LOQ-0.005)	0.03 Max.	FL/SOP/ICPMS-01
41	Zinc (as Zn)	mg/L	ND, (LOQ-0.01)	5.0 Max.	FL/SOP/ICPMS-01
Trihalomethanes (THM)					
42	Bromodichloromethane	mg/L	ND, (LOQ-0.005)	0.06 Max.	FL/SOP/GC-26
43	Bromoform	mg/L	ND, (LOQ-0.005)	0.1 Max.	FL/SOP/GC-26
44	Chloroform	mg/L	ND, (LOQ-0.005)	0.2 Max.	FL/SOP/GC-26
45	Dibromochloromethane	mg/L	ND, (LOQ-0.005)	0.1 Max.	FL/SOP/GC-26
Pesticide Residues					
46	2,4- Dichlorophenoxyacetic acid	µg/L	BLQ, (LOQ-0.01)	30 Max.	FL/SOP/LCMS/P-01
47	Alachlor	µg/L	BLQ, (LOQ-0.01)	20 Max.	FL/SOP/GCMS/P-01
48	Aldrin	µg/L	BLQ, (LOQ-0.01)	0.03 Max.	FL/SOP/GCMS/P-01
49	Alpha HCH	µg/L	BLQ, (LOQ-0.01)	0.01 Max.	FL/SOP/GCMS/P-01
50	Atrazine	µg/L	BLQ, (LOQ-0.01)	2 Max.	FL/SOP/LCMS/P-01
51	Beta HCH	µg/L	BLQ, (LOQ-0.01)	0.04 Max.	FL/SOP/GCMS/P-01
52	Butachlor	µg/L	BLQ, (LOQ-0.01)	125 Max.	FL/SOP/GCMS/P-01
53	Chlorpyrifos	µg/L	BLQ, (LOQ-0.01)	30 Max.	FL/SOP/GCMS/P-01
54	Delta HCH	µg/L	BLQ, (LOQ-0.01)	0.04 Max.	FL/SOP/GCMS/P-01

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: 05-06-2023

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Pesticide Residues					
55	Dieldrin	µg/L	BLQ, (LOQ-0.01)	0.03 Max.	FL/SOP/GCMS/P-01
56	Endosulfan-alpha	µg/L	BLQ, (LOQ-0.01)	0.4 Max.	FL/SOP/GCMS/P-01
57	Endosulfan-beta	µg/L	BLQ, (LOQ-0.01)	0.4 Max.	FL/SOP/GCMS/P-01
58	Endosulfan-sulphate	µg/L	BLQ, (LOQ-0.01)	0.4 Max.	FL/SOP/GCMS/P-01
59	Ethion	µg/L	BLQ, (LOQ-0.01)	3 Max.	FL/SOP/GCMS/P-01
60	Gamma - HCH (Lindane)	µg/L	BLQ, (LOQ-0.01)	2 Max.	FL/SOP/GCMS/P-01
61	Isoproturon	µg/L	BLQ, (LOQ-0.01)	9 Max.	FL/SOP/LCMS/P-01
62	Malathion	µg/L	BLQ, (LOQ-0.01)	190 Max.	FL/SOP/GCMS/P-01
63	Methyl parathion	µg/L	BLQ, (LOQ-0.01)	0.3 Max.	FL/SOP/GCMS/P-01
64	Monocrotophos	µg/L	BLQ, (LOQ-0.01)	1 Max.	FL/SOP/LCMS/P-01
65	Phorate	µg/L	BLQ, (LOQ-0.01)	2 Max.	FL/SOP/GCMS/P-01
66	o,p- DDD	µg/L	BLQ, (LOQ-0.01)	1 Max.	FL/SOP/GCMS/P-01
67	o,p-DDE	µg/L	BLQ, (LOQ-0.01)	1 Max.	FL/SOP/GCMS/P-01
68	o,p-DDT	µg/L	BLQ, (LOQ-0.01)	1 Max.	FL/SOP/GCMS/P-01
69	p,p- DDD	µg/L	BLQ, (LOQ-0.01)	1 Max.	FL/SOP/GCMS/P-01
70	p,p-DDE	µg/L	BLQ, (LOQ-0.01)	1 Max.	FL/SOP/GCMS/P-01
71	p,p-DDT	µg/L	BLQ, (LOQ-0.01)	1 Max.	FL/SOP/GCMS/P-01

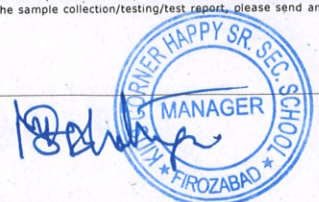
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S. No.	Parameters	Unit	Test Results	Specifications as per IS-10500:2012	Method
Microbiological Analysis					
72	E. Coli	per 100ml	Absent	Shall not be detectable in any 100ml sample	IS 15185
73	Total Coliform	per 100ml	Absent	Shall not be detectable in any 100ml sample	IS 15185

ND= Not Detected; **LOQ=** Limit of Quantification; **BLQ=** Below Limit of Quantification

Note: FL/SOP/ICPMS-01 Based on APHA 23rd Ed. 2017.

Note: FL/SOP/HPLC-75, FL/SOP/GCMS/P-01 Based on AOAC 990.06; FL/SOP/GC-26 Based on APHA 23rd Ed. 2017

Note: FL/SOP/GCMS/P-01, FL/SOP/LCMS/P-01 Based on AOAC 990.06.

Note: RFC-0.2 Min is applicable only when water is chlorinated. Tested at consumer end. When Protection against viral infection is required, it should be minimum 0.5 mg/l.

Inference: The tested sample of water **conforms** to the specifications of drinking water (IS-10500:2012), with respect to above tests only.

Reviewed By

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Ms. Meenakshi Bakshi, Scientist B

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*****End of Report*****

[Signature]
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