

Testing facility approved from Drugs Control Department and Directorate of AYUSH NABL Accredited (Certificate No. TC-5547), ISO 9001, 14001 & OHSAS 18001 Certified & FSSAI, BIS, MoEF&CC, EIC, Tea Board India, APEDA and Agmark Recognized Laboratory



#### **TEST REPORT**

Page: 1 of 5

Issued to: M/s. Amity International School.

Phase-1, Mayur Vihar, Delhi - 110091

Sample code

: F/202102190008

Report No.

: AFLPL/F/190221008

Date of Issue

: 02/03/2021

### SAMPLE PARTICULARS

1 Nature of the Sample: Drinking Water

2 Grade/Variety/Size

3 Brand Name, if any • N.A.

Sample Description

: Clear transparent liquid

Sampling

: Sample drawn by Lab representative (Mr.

Anil Kumar)

6 Attachments

• N.A.

: N.A. 7 Lot No./Batch No.

Details of Sampling:

(a) Date of Sampling : 19/02/2021

(b) Sampling Method

: AFLPL/SOP/GEN/05

(c) Environment Conditions: Ambient

8 Deviation from Specified: N.A. Test Method

9 Date of Receipt

: 19/02/2021 : N.A.

10 Customer Ref. No.

11 Sample Pkg

12 Mfg. Date

13 Exp. Date/Best Before

14 Sample Quantity

. N.A. : N.A.

: Sterilized bottle & Can

. From school premises area

: 8 Ltr.

(d) Sampling Location

(Source:RO Plant) : 8 Ltr. water collected

(e) No.of container taken from lot

### **TEST RESULTS**

Test Started on

19/02/2021

Test Completed on

: 02/03/2021

SL. No.	Parameter	Units	Results	Specification/ Requirement as per IS:10500:2012 Amd. No. 1 & 2	Test Method
	Table-1 (Organoleptic & Physical Parameters) (Clause - 4)	<del>(8</del> )	:#1		5.
1	Colour	Hazen units	<1.0	5.0, Max	IS: 3025 (P-4): 1983 (2017)
2	Odour	-	Agreeable	Agreeable	IS: 3025 (P-5): 2018
3	pH at 25 °C	22	6.91	6.5 - 8.5	IS: 3025 (P-11): 1983 (2017)
4	Taste	:#:	Agreeable	Agreeable	IS: 3025 (P-7 & 8): 1984 (2017)
5	Turbidity	NTU	<0.1	1.0, Max	IS: 3025 (P-10): 1984 (2017)
6	Total Dissolved Solids	mg/L	230.00	500, Max	IS: 3025 (P-16): 1984 (2017)
	Table-2 (General Parameters) (Clause -4)	E.		=	Servino -

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(Section Inch trumentation) Authorised Signatory

(Section Incharge Chemical) **Authorised Signatory** 

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Ms. Meenu Kanwar **Principal** 

AIS, Mayur Vihar



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7	Aluminium (as Al)	mg/L	BLQ(LOQ-0.002)	0.03, Max	IS: 3025 (P-65): 2014 (2019)
8	Ammonia (as total ammonia-N)	mg/L	BLQ(LOQ-0.1)	0.5, Max	IS: 3025 (P-34): 1988 (2019)
9	Anionic detergents (as MBAS)	mg/L	BLQ(LOQ-0.1)	0.2, Max	Annex K of IS : 13428 : 2005 (2018)
10	Barium (as Ba)	mg/L	BLQ(LOQ-0.002)	0.7, Max	IS: 3025 (P-65): 2014
11	Boron (as B)	mg/L	BLQ(LOQ-0.01)	0.5, Max	IS: 3025 (P-57): 2005 (2017)
12	Calcium (as Ca)	mg/L	23.175	75.0, Max	IS: 3025 (P-40): 1991 (2019)
13	Chloramines (as Cl2)	mg/L	BLQ(LOQ-0.1)	4.0, Max	IS: 3025 (P-26): 1986 (2019)
14	Chloride (as CI)	mg/L	71.96	250, Max	IS: 3025 (P-32): 1988 (2019)
15	Copper (as Cu)	mg/L	BLQ(LOQ-0.002)	0.05, Max	IS: 3025 (P-65): 2014 (2019)
16	Fluoride (as F)	mg/L	BLQ(LOQ-0.05)	1.0, Max	IS: 3025 (P-60): 2008 (2019)
17	Free Residual Chlorine	mg/L	BLQ(LOQ-0.1)	0.2, Min (in case of chlorinated water)	IS : 3025 (P-26) : 1986 (2019)
18	iron (as Fe)	mg/L	BLQ(LOQ-0.1)	1.0, Max	IS: 3025 (P-53): 2003 (2019)
19	Magnesium (as Mg)	mg/L	12.444	30.0, Max	IS: 3025 (P-46): 1994 (2019)
20	Manganese (as Mn)	mg/L	BLQ(LOQ-0.002)	0.1, Max	IS: 3025 (P-65): 2014 (2019)
21	Mineral Oil	mg/L	BĻQ(LOQ-0.1)	0.5, Max	Clause 6 of IS : 3025 (P-39) 1991 (2019)
22	Nitrate (as NO3)	mg/L	2.67	45.0, Max	IS: 3025 (P-34): 1988 (2019)
23	Phenolic compound (as C6H5OH)	mg/L	BLQ(LOQ-0.001)	0.001, Max	IS : 3025 (P-43) : 1992 (2019)
24	Selenium (as Se)	mg/L	BLQ(LOQ-0.01)	0.01, Max	IS: 3025 (P-65): 2014 (2019)
25	Silver (as Ag)	mg/L	BLQ(LOQ-0.002)	0.1, Max	IS: 3025 (P-65): 2014 (2019)
26	Sulphate (as SO4)	mg/L	20.00	200, Max	IS: 3025 (P-24): 1986 (2019)
27	Sulphide (as H2\$)	mg/L	BLQ(LOQ-0.02)	0.05, Max	IS: 3025 (P-29) 1 1986 (2019)

Adarsh Bala (Section Incharge Microbiology) Authorised Signatory

Vikash Boran (Section Incharped Instrumentation)

Authorised Signatory

Night Gusta (Section Incharge Chemical) **Authorised Signatory** 

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28	Total Alkalinity (as calcium carbonate)	mg/L	75.00	200, Max	IS : 3025 (P-23) : 1986 (2019)
29	Total Hardness (as calcium carbonate)	mg/L	98.01	200, Max	IS : 3025 (P-21) : 2009 (2019)
30	Zinc (as Zn)	mg/L	BLQ(LOQ-0.004)	5.0, Max	IS: 3025 (P-65): 2014 (2019)
	Table-3 (Parametes Concerning Toxic Substances) (Clause - 4)	<b>36</b>	ie.	*	-
31	Cadmium (as Cd)	mg/L	BLQ(LOQ-0.002)	0.003, Max	IS: 3025 (P-65): 2014 (2019)
32	Cyanide (as CN)	mg/L	BLQ(LOQ-0.02)	0.05, Max	IS: 3025 (P-27): 1986 (2019)
33	Lead (as Pb)	mg/L	BLQ(LOQ-0.002)	0.01, Max	IS: 3025 (P-65): 2014 (2019)
34	Mercury (as Hg)	mg/L	BLQ(LOQ-0.0008)	0.001, Max	IS: 3025 (P-48): 2014 (2019)
35	Molybdenum (as Mo)	mg/L	BLQ(LOQ-0.002)	0.07, Max	IS: 3025 (P-65): 2014 (2019)
36	Nickel (as Ni)	mg/L	BLQ(LOQ-0.002)	0.02, Max	IS: 3025 (P-65): 2014 (2019)
37	Poly Chlorinated biphenyls (PCBs)	mg/L	BLQ(LOQ-0.00005)	0.0005, Max	APHA : 6630
38	Polynuclear Aromatic Hydrocarbon (as PAH)	mg/L	BLQ(LOQ-0.0001)	0.0001, Max	APHA: 6440
39	Total Arsenic (as As)	mg/L	BLQ(LOQ-0.002)	0.01, Max	IS: 3025 (P-65): 2014 (2019)
40	Total Chromium (as Cr)	mg/L	BLQ(LOQ-0.002)	0.05, Max	IS: 3025 (P-65): 2014 (2019)
	Trihalomethane	:=:	=	.53	ā
41	Bromoform	mg/L	BLQ(LOQ-0.05)	0.1, Max	APHA:6232
42	Dibromochloromethane	mg/L	BLQ(LOQ-0.05)	0.1, Max	APHA:6232
43	Bromodichloromethane	mg/L	BLQ(LOQ-0.05)	0.06, Max	APHA:6232
44	Chloroform	mg/L	BLQ(LOQ-0.05)	0.2, Max	APHA:6232
	Table-5 (Pesticide Residues)	85			

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45	Alachlor	μg/L	BLQ(LOQ-0.05)	20.0, Max	USEPA : 525.2
46	Atrazine	μg/L	BLQ(LOQ-0.05)	2.0, Max	USEPA : 525.2
47	Aldrin/ Dieldrin	μg/L	BLQ(LOQ-0.03)	0.03, Max	USEPA : 508
48	alpha-HCH	μg/L	BLQ(LOQ-0.01)	0.01, Max	USEPA : 508
49	beta-HCH	μg/L	BLQ(LOQ-0.04)	0.04, Max	USEPA : 508
50	Butachlor	μg/L	BLQ(LOQ-0.05)	125, Max	USEPA : 525.2
51	Chlorpyriphos	μg/L	BLQ(LOQ-0.05)	30.0, Max	USEPA : 525.2
52	delta-HCH	μg/L	BLQ(LOQ-0.04)	0.04, Max	USEPA : 508
53	2,4 Dichlorophenoxyacetic acid	μg/L	BLQ(LOQ-0.1)	30, Max	USEPA : 515.1
54	DDT (o,p and p,p - Isomers of DDT, DDE and DDD)	μg/L	BLQ(LOQ-0.05)	1.0, Max	AOAC : 990.06 : 2019
55	Endosulfan (alpha, beta and sulphate)	μg/L	BLQ(LOQ-0.05)	0.4, Max	AOAC : 990.06 : 2019
56	Ethion	μg/L	BLQ(LOQ-0.05)	3.0, Max	USEPA: 1657 A
57	gamma - HCH (Lindane)	μg/L	BLQ(LOQ-0.05)	2.0, Max	AOAC . 990.08 . 2019
58	Isoproturon	μg/L	BLQ(LOQ-0.1)	9.0, Max	USEPA : 532
59	Malathion	μg/L	BLQ(LOQ-0.05)	190, Max	USEPA : 8141 A
6Ŭ	Methyl Farathion	μg/L	BLQ(LOQ 0.05)	0.3, Max	USEPΛ : 8141 Λ
61	Monocrotophos	μg/L	BLQ(LOQ-0.05)	1.0, Max	USEPA : 8141 A
62	Phorate	μg/L	BLQ(LOQ-0.05)	2.0, Max	USEPA : 8141 A
	Table-6 (Bacteriological Quality of Drinking Water) (Clause - 4.1.1)	590	<b>⊕</b>	*	
63	Coliform	per 100ml	Absent	Absent	IS : 15185 : 2016
64	E.coli	per 100ml	Absent	Absent	IS: 15185: 2016

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(Section Incharge Instrumentation)

Night Guota (Section Incharge Chemical) **Authorised Signatory** 

Authorised Signatory

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Remark: The submitted sample have above mentioned analytical characteristics, conforms to IS:10500:2012.

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Mr. B.N Bajpai Manager MICOLLOOU.

Ms. Meenu Kanwar Principal AlS, Mayur Vihar

Adarsh Bala (Section Incharge Microbiology)

Authorised Signatory

(Section Incharge Instrumentation)
Authorised Signatory

(Section Incharge Chemical)

Authorised Signatory

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