

## TEST REPORT

**\*Issued To:**

Amity International School  
Sector-44, Noida, Uttarpradesh-201301

**ULR : TC527524000018402F**

Reg. No : FRAC/W/2407290039  
\*Your Ref. No : TRF

Kind Att : Anil Chauhan

\*Letter/TRF Dated : 29/07/2024  
Date of Issue : 07/08/2024  
Date of Sample Recd. : 29/07/2024  
Date of Sampling : 26/07/2024  
Sample Condition : Satisfactory  
\*Sample Packing : Plastic Container  
Date of Sample Booking : 29/07/2024  
Date of Start of Analysis : 29/07/2024  
Date of Completion : 07/08/2024

**\*Sample Description:**

**Drinking Water**

Specification Followed : IS 10500:2012  
Sampling Method : FRAC/SOP/CHEM-MICRO/016  
Sampled By : Sample drawn by FRAC representative  
Sampler Name : Niraj Kumar  
Product Group : Water

\*Sample Qty : 7+1 Ltr  
\*Batch No : Not Specified  
\*Mfg. Date : Not Specified  
\*Exp. Date : Not Specified

\*Location : RO Plant Area

## TEST RESULTS

S.No.	Parameters	Unit	Results	Desirable Limit as Per IS 10500:2012	Permissible Limit as Per IS 10500:2012	Test Method
<b>Chemical Test Parameters</b>						
1	Colour	Hazen Unit	<1.0	Max 5.0	Max 15.0	IS 3025 (Part 4) Visual Comparison Method: 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7) :2017 & IS 3025(Part 8) : 2023
4	Turbidity	NTU	BLQ (LOQ-0.02)	Max 1.0	Max 5.0	IS 3025 (Part 10) :2023
5	Total Dissolved Solids	mg/l	84.0	Max 500	Max 2000	IS 3025 (Part 16):2023
6	Nitrate (as NO3)	mg/l	BLQ (LOQ-0.5)	Max 45	No relaxation	IS 3025 (Part 34, Sec-1) CL-6.4, UV Screening Method :2023
7	Total Hardness (as CaCO3)	mg/l	29.67	Max 200	Max 600	IS 3025 (Part-21) Titrimetric : 2009



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Sr. Analyst-Microbiology

*Kavita*  
Kavita Rana  
OIC-Environment

Authorised Signatory  
*Amarnath Patel*  
Amarnath Patel  
OIC-Instrument

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8	Chloride (as Cl)	mg/l	34.0	Max 250	Max 1000	IS 3025 (Part 32) Argentometric : 1988
9	Sulphate (as SO <sub>4</sub> )	mg/l	7.77	Max 200	Max 400	IS 3025 (Part 24/Sec-1) Turbidity Method spectrophotometer : 2022
10	Sulphide (as H <sub>2</sub> S)	mg/l	BLQ (LOQ-0.03)	Max 0.05	No relaxation	IS 3025(Part 29) Methylene Blue, Spectrophotometric: 2022
11	Fluoride (as F)	mg/l	BLQ (LOQ-0.1)	Max 1.0	Max 1.5	IS 3025(Part-60) Sec-1, SPANDS Method : 2023
12	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	39.80	Max 200	Max 600	IS 3025 (Part 23) Titrimetric : 2023
13	Cyanide (as CN)	mg/l	BLQ (LOQ-0.02)	Max 0.05	No relaxation	IS 3025 (Part 27/sec 1), CL-2 & 4, Colorimetric Method: 2021
14	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	BLQ (LOQ-0.001)	Max 0.001	Max 0.002	IS 3025(Part 43/Sec-1) CL-6 Chloroform Extraction Method : 2022
15	Anionic Detergents (as MBAS)	mg/l	BLQ (LOQ-0.05)	Max 0.2	Max 1.0	IS 3025 (Part 68) Methylene Blue Method: 2019
16	pH Value @25°C	-	7.1	6.5-8.5	No relaxation	IS 3025 (Part 11):2022
17	#Residual Free Chlorine	mg/l	BLQ (LOQ-0.1)	Min 0.2	Min 1.0	IS 3025 (Part 26) DPD Titrimetric : 2021
18	Ammonia (as total ammonia-N)	mg/l	BLQ (LOQ-0.1)	Max 0.5	No relaxation	IS 3025 (Part 34) Sec- I, Phenate Method : 2023
19	Chloramines (as Cl <sub>2</sub> )	mg/l	BLQ (LOQ-0.1)	Max 4.0	No relaxation	IS 3025 (Part 26) DPD Titrimetric: 2021
20	Iron (as Fe)	mg/l	BLQ (LOQ-0.02)	Max 1.0	No relaxation	IS 3025 (P-2): 2019
21	Manganese (as Mn)	mg/l	BLQ (LOQ-0.02)	Max 0.1	Max 0.3	IS 3025 (P-65) 2022
22	Copper (as Cu)	mg/l	BLQ (LOQ-0.02)	Max 0.05	Max 1.5	IS 3025 (P-65): 2022
23	Zinc (as Zn)	mg/l	BLQ (LOQ-0.02)	Max 5.0	Max 15	IS 3025 (P-65): 2022



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24	Magnesium (Mg)	mg/l	2.79	Max 30	Max 100	IS 3025 (P-2): 2019
25	Lead (as Pb)	mg/l	BLQ (LOQ-0.002)	Max 0.01	No relaxation	IS 3025 (P-65): 2022
26	Calcium (as Ca)	mg/l	7.49	Max 75	Max 200	IS 3025 (P-2): 2019
27	Selenium (as Se)	mg/l	BLQ (LOQ-0.002)	Max 0.01	No relaxation	IS 3025 (P-65): 2022
28	Arsenic (as As)	mg/l	BLQ (LOQ-0.002)	Max 0.01	No relaxation	IS 3025 (P-65): 2022
29	Cadmium (as Cd)	mg/l	BLQ (LOQ-0.002)	Max 0.003	No relaxation	IS 3025 (P-65): 2019
30	Boron (as B)	mg/l	0.074	Max 0.5	Max 2.4	IS 3025 (P-65): 2022
31	Molybdenum (as Mo)	mg/l	BLQ (LOQ-0.002)	Max 0.07	No relaxation	IS 3025 (P-65): 2022
32	Chromium (as Cr)	mg/l	BLQ (LOQ-0.02)	Max 0.05	No relaxation	IS 3025 (P-65): 2022
33	Aluminum (as Al)	mg/l	BLQ (LOQ-0.02)	Max 0.03	Max 0.2	IS 3025 (P-65): 2022
34	Mercury (as Hg)	mg/l	BLQ (LOQ-0.0005)	Max 0.001	No relaxation	IS 3025 (P-65): 2022
35	Barium (s Ba)	mg/l	BLQ (LOQ-0.02)	Max 0.7	No relaxation	IS 3025 (P-65): 2019
36	Nickel (as Ni)	mg/l	BLQ (LOQ-0.002)	Max 0.02	No relaxation	IS 3025 (P-65): 2022
37	Silver (as Ag)	mg/l	BLQ (LOQ-0.002)	Max 0.1	No relaxation	IS 3025 (P-65): 2022
38	Uranium	mg/l	BLQ (LOQ-0.002)	Max 0.03	No relaxation	IS 3025 (P-65): 2022
39	Mineral oil	mg/l	BLQ (LOQ-0.4)	Max 1.0	No relaxation	Clause 6 of IS 3025 (P-39): 2021
<b>PCB</b>						
40	2,2,5-Trichlorobiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
41	2,4,4-TrichloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024



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42	2,4,5-TrichloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
43	2,2,3,5-TetrachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
44	2,2,5,5-TetrachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
45	2,2,4,5,5-PentachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
46	2,3,4,4,5- PentachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
47	2,2,3,4,4,5- HexachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
48	2,2,3,4,5,6-HexachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
49	2,2,4,4,5,5- HexachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
50	2,2,3,4,4,5,5-HeptachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
51	2,2,3,3,4,4,5,5-Octachlorobiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
<b>PAH</b>						
52	Naphthalene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
53	Acenaphthylene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
54	Acenaphthene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
55	Flourene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
56	Phenanthrene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023



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S.No.	Parameters	Unit	Results	Desirable Limit as Per IS 10500:2012	Permissible Limit as Per IS 10500:2012	Test Method
57	Anthracene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
58	Fluoranthene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
59	Pyrene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
60	Benzo(a)anthracene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
61	Chrysene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
62	Benzo(b)Fluoranthene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
63	Benzo(k)Fluoranthene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
64	Benzo(a)pyrene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
65	Dibenzo(a,h)anthracene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
66	Benzo(g,h,i)perylene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
67	Indene(1,2,3-cd)pyrene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
<b>Pesticide Residues</b>						
68	Alachlor	µg/l	BLQ (LOQ-0.05)	Max 20	No relaxation	USEPA 525.2:1994
69	Atrazine	µg/l	BLQ (LOQ-0.01)	Max 2.0	No relaxation	AOAC 990.06:2023
70	Aldrin	µg/l	BLQ (LOQ-0.01)	Max 0.03	No relaxation	AOAC 990.06:2019
71	Dieldrin	µg/l	BLQ (LOQ-0.01)	Max 0.03	No relaxation	AOAC 990.06:2023
72	Alpha HCH	µg/l	BLQ (LOQ-0.01)	Max 0.01	No relaxation	AOAC 990.06:2023
73	Beta HCH	µg/l	BLQ (LOQ-0.01)	Max 0.04	No relaxation	AOAC 990.06:2023
74	Butachlor	µg/l	BLQ (LOQ-0.05)	Max 125	No relaxation	USEPA 525.2:1994
75	Chlorpyrifos	µg/l	BLQ (LOQ-0.05)	Max 30	No relaxation	USEPA 525.2:1994



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76	Delta HCH	µg/l	BLQ (LOQ-0.01)	Max 0.04	No relaxation	AOAC 990.06.2023
77	2,4 dichlorophenoxyacetic acid	µg/l	BLQ (LOQ-0.05)	Max 30	No relaxation	USEPA 515.1:1989
78	4,4-DDE	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	AOAC 990.06.2023
79	4,4-DDD	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	AOAC 990.06.2023
80	4,4-DDT	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	AOAC 990.06.2023
81	2,4-DDD	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	AOAC 990.06.2023
82	2,4-DDT	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	AOAC 990.06.2023
83	2,4-DDE	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	AOAC 990.06.2023
84	Endosulphan-I	µg/l	BLQ (LOQ-0.05)	Max 0.4	No relaxation	AOAC 990.06.2023
85	Endosulphan-II	µg/l	BLQ (LOQ-0.05)	Max 0.4	No relaxation	AOAC 990.06.2023
86	Endosulphan Sulfate	µg/l	BLQ (LOQ-0.05)	Max 0.4	No relaxation	AOAC 990.06.2023
87	Ethion	µg/l	BLQ (LOQ-0.05)	Max 3.0	No relaxation	USEPA 1657A:1993
88	Gamma HCH (Lindane)	µg/l	BLQ (LOQ-0.05)	Max 2.0	No relaxation	AOAC 990.06.2023
89	Isoproturon	µg/l	BLQ (LOQ-0.05)	Max 9.0	No relaxation	USEPA 532.2:2000
90	Malathion	µg/l	BLQ (LOQ-0.05)	Max 190	No relaxation	USEPA 8141A:1994
91	Methyl Parathion	µg/l	BLQ (LOQ-0.05)	Max 0.3	No relaxation	USEPA 8141A:1994
92	Monocrotophos	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	USEPA 8171A:1994
93	Phorate	µg/l	BLQ (LOQ-0.05)	Max 2.0	No relaxation	USEPA 525.2:1994
<b>Trihalomethanes</b>						
94	Bromoform	mg/l	BLQ (LOQ-0.05)	Max 0.1	No relaxation	APHA 6232 24rd Edition: 2023
95	Dibromochloromethane	mg/l	BLQ (LOQ-0.05)	Max 0.1	No relaxation	APHA 6232 24rd Edition: 2023
96	Bromodichloromethane	mg/l	BLQ (LOQ-0.05)	Max 0.06	No relaxation	APHA 6232 24rd Edition: 2023
97	Chloroform	mg/l	BLQ (LOQ-0.05)	Max 0.2	No relaxation	APHA 6232 24rd Edition: 2023
<b>Biological Test Parameters</b>						
98	E. coli	/100ml	Absent	Absent	No relaxation	IS 15185:2016
99	Total coliform	/100ml	Absent	Absent	No relaxation	IS 15185:2016



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**Note :** BLO- Below limit of Quantification, LOQ- Limit of Quantification  
#Residual chlorine is not stable, hence requirement is not applicable on stored water

**Remarks :** The sample conforms to the IS 10500 2012 specifications with respect to the above tested parameters.

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



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2407290039-7



## TEST REPORT

**\*Issued To:**

Amity International School  
Sector-44, Noida, Uttarpradesh-201301

**ULR : TC527524000018403F**

Reg. No : FRAC/W/2407290040  
\*Your Ref. No : TRF

Kind Att : Anil Chauhan

\*Letter/TRF Dated : 29/07/2024  
Date of Issue : 07/08/2024  
Date of Sample Recd. : 29/07/2024  
Date of Sampling : 26/07/2024  
Sample Condition : Satisfactory  
\*Sample Packing : Plastic Container  
Date of Sample Booking : 29/07/2024  
Date of Start of Analysis : 29/07/2024  
Date of Completion : 07/08/2024

**\*Sample Description:**

**Drinking Water**

Specification Followed : IS 10500:2012  
Sampling Method : FRAC/SOP/CHEM-MICRO/016  
Sampled By : Sample drawn by FRAC representative  
Sampler Name : Niraj Kumar  
Product Group : Water

\*Sample Qty : 7+1 Ltr  
\*Batch No : Not Specified  
\*Mfg. Date : Not Specified  
\*Exp. Date : Not Specified

\*Location : D Block

## TEST RESULTS

S.No.	Parameters	Unit	Results	Desirable Limit as Per IS 10500:2012	Permissible Limit as Per IS 10500:2012	Test Method
<b>Chemical Test Parameters</b>						
1	Colour	Hazen Unit	<1.0	Max 5.0	Max 15.0	IS 3025 (Part 4) Visual Comparison Method: 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	-	Not Performed	Agreeable	Agreeable	IS 3025 (Part 7) :2017 & IS 3025(Part 8) : 2023
4	Turbidity	NTU	BLQ (LOQ-0.02)	Max 1.0	Max 5.0	IS 3025 (Part 10) :2023
5	Total Dissolved Solids	mg/l	111.0	Max 500	Max 2000	IS 3025 (Part 16):2023
6	Nitrate (as NO <sub>3</sub> )	mg/l	0.73	Max 45	No relaxation	IS 3025 (Part 34, Sec-1) CL-6.4, UV Screening Method :2023
7	Total Hardness (as CaCO <sub>3</sub> )	mg/l	31.65	Max 200	Max 600	IS 3025 (Part-21) Titrimetric : 2009



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Authorised Signatory

*Amarnath Patel*  
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S.No.	Parameters	Unit	Results	Desirable Limit as Per IS 10500:2012	Permissible Limit as Per IS 10500:2012	Test Method
8	Chloride (as Cl)	mg/l	36.96	Max 250	Max 1000	IS 3025 (Part 32) Argentometric : 1988
9	Sulphate (as SO <sub>4</sub> )	mg/l	8.80	Max 200	Max 400	IS 3025 (Part 24/Sec-1) Turbidity Method spectrophotometer : 2022
10	Sulphide (as H <sub>2</sub> S)	mg/l	BLQ (LOQ-0.03)	Max 0.05	No relaxation	IS 3025(Part 29) Methylene Blue, Spectrophotometric: 2022
11	Fluoride (as F)	mg/l	BLQ (LOQ-0.1)	Max 1.0	Max 1.5	IS 3025(Part-60) Sec-1, SPANDS Method : 2023
12	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	39.80	Max 200	Max 600	IS 3025 (Part 23) Titrimetric : 2023
13	Cyanide (as CN)	mg/l	BLQ (LOQ-0.02)	Max 0.05	No relaxation	IS 3025 (Part 27/sec 1), CL-2 & 4, Colorimetric Method: 2021
14	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	BLQ (LOQ-0.001)	Max 0.001	Max 0.002	IS 3025(Part 43/Sec-1) CL-6 Chloroform Extraction Method : 2022
15	Anionic Detergents (as MBAS)	mg/l	BLQ (LOQ-0.05)	Max 0.2	Max 1.0	IS 3025 (Part 68) Methylene Blue Method :2019
16	pH Value @25°C	-	6.6	6.5-8.5	No relaxation	IS 3025 (Part 11):2022
17	#Residual Free Chlorine	mg/l	BLQ (LOQ-0.1)	Min 0.2	Min 1.0	IS 3025 (Part 26) DPD Titrimetric : 2021
18	Ammonia (as total ammonia-N)	mg/l	BLQ (LOQ-0.1)	Max 0.5	No relaxation	IS 3025 (Part 34) Sec- I, Phenate Method :2023
19	Chloramines (as Cl <sub>2</sub> )	mg/l	BLQ (LOQ-0.1)	Max 4.0	No relaxation	IS 3025 (Part 26) DPD Titrimetric: 2021
20	Iron (as Fe)	mg/l	BLQ (LOQ-0.02)	Max 1.0	No relaxation	IS 3025 (P-2): 2019
21	Manganese (as Mn)	mg/l	BLQ (LOQ-0.02)	Max 0.1	Max 0.3	IS 3025 (P-65): 2022
22	Copper (as Cu)	mg/l	BLQ (LOQ-0.02)	Max 0.05	Max 1.5	IS 3025 (P-65): 2022
23	Zinc (as Zn)	mg/l	BLQ (LOQ-0.02)	Max 5.0	Max 15	IS 3025 (P-65): 2022



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Reg No : FRAC/W/2407290040  
\*Your Ref. No : TRF

\*Letter/TRF Dated : 29/07/2024

S.No.	Parameters	Unit	Results	Desirable Limit as Per IS 10500:2012	Permissible Limit as Per IS 10500:2012	Test Method
24	Magnesium (Mg)	mg/l	2.74	Max 30	Max 100	IS 3025 (P-2): 2019
25	Lead (as Pb)	mg/l	BLQ (LOQ-0.002)	Max 0.01	No relaxation	IS 3025 (P-65): 2022
26	Calcium (as Ca)	mg/l	7.44	Max 75	Max 200	IS 3025 (P-2): 2019
27	Selenium (as Se)	mg/l	BLQ (LOQ-0.002)	Max 0.01	No relaxation	IS 3025 (P-65): 2022
28	Arsenic (as As)	mg/l	BLQ (LOQ-0.002)	Max 0.01	No relaxation	IS 3025 (P-65): 2022
29	Cadmium (as Cd)	mg/l	BLQ (LOQ-0.002)	Max 0.003	No relaxation	IS 3025 (P-65): 2019
30	Boron (as B)	mg/l	0.078	Max 0.5	Max 2.4	IS 3025 (P-65): 2022
31	Molybdenum (as Mo)	mg/l	BLQ (LOQ-0.002)	Max 0.07	No relaxation	IS 3025 (P-65): 2022
32	Chromium (as Cr)	mg/l	BLQ (LOQ-0.02)	Max 0.05	No relaxation	IS 3025 (P-65): 2022
33	Aluminum (as Al)	mg/l	BLQ (LOQ-0.02)	Max 0.03	Max 0.2	IS 3025 (P-65): 2022
34	Mercury (as Hg)	mg/l	BLQ (LOQ-0.0005)	Max 0.001	No relaxation	IS 3025 (P-65): 2022
35	Barium (s Ba)	mg/l	BLQ (LOQ-0.02)	Max 0.7	No relaxation	IS 3025 (P-65): 2019
36	Nickel (as Ni)	mg/l	BLQ (LOQ-0.002)	Max 0.02	No relaxation	IS 3025 (P-65): 2022
37	Silver (as Ag)	mg/l	BLQ (LOQ-0.002)	Max 0.1	No relaxation	IS 3025 (P-65): 2022
38	Uranium	mg/l	BLQ (LOQ-0.002)	Max 0.03	No relaxation	IS 3025 (P-65): 2022
39	Mineral oil	mg/l	BLQ (LOQ-0.4)	Max 1.0	No relaxation	Clause 6 of IS 3025 (P-39): 2021
<b>PCB</b>						
40	2,2,5-Trichlorobiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
41	2,4,4-TrichloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024



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42	2,4,5-TrichloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
43	2,2,3,5-TetrachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
44	2,2,5,5-TetrachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
45	2,2,4,5,5-PentachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
46	2,3,4,4,5- PentachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
47	2,2,3,4,4,5- HexachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
48	2,2,3,4,5,6-HexachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
49	2,2,4,4,5,5- HexachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
50	2,2,3,4,4,5,5-HeptachloroBiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
51	2,2,3,3,4,4,5,5-Octachlorobiphenyl	mg/l	BLQ (LOQ-0.00005)	Max 0.0005	No relaxation	APHA 6630 24rd Edition:2024
<b>PAH</b>						
52	Naphthalene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition::2023
53	Acenaphthylene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition:2023
54	Acenaphthene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition:2023
55	Flourene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition:2023
56	Phenanthrene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition:2023



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S.No.	Parameters	Unit	Results	Desirable Limit as Per IS 10500:2012	Permissible Limit as Per IS 10500:2012	Test Method
57	Anthracene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition: 2023
58	Fluoranthene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition: 2023
59	Pyrene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition: 2023
60	Benzo(a)anthracene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition: 2023
61	Chrysene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition: 2023
62	Benzo(b)Fluoranthene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition: 2023
63	Benzo(k)Fluoranthene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition: 2023
64	Benzo(a)pyrene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition: 2023
65	Dibenzo(a,h)anthracene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition: 2023
66	Benzo(g,h,i)perylene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition: 2023
67	Indene(1,2,3-cd)pyrene	mg/l	BLQ (LOQ-0.00005)	Max 0.0001	No relaxation	APHA 6440 24rd Edition: 2023
<b>Pesticide Residues</b>						
68	Alachlor	µg/l	BLQ (LOQ-0.05)	Max 20	No relaxation	USEPA 525.2:1994
69	Atrazine	µg/l	BLQ (LOQ-0.01)	Max 2.0	No relaxation	AOAC 990.06:2023
70	Aldrin	µg/l	BLQ (LOQ-0.01)	Max 0.03	No relaxation	AOAC 990.06:2019
71	Dieldrin	µg/l	BLQ (LOQ-0.01)	Max 0.03	No relaxation	AOAC 990.06:2023
72	Alpha HCH	µg/l	BLQ (LOQ-0.01)	Max 0.01	No relaxation	AOAC 990.06:2023
73	Beta HCH	µg/l	BLQ (LOQ-0.01)	Max 0.04	No relaxation	AOAC 990.06:2023
74	Butachlor	µg/l	BLQ (LOQ-0.05)	Max 125	No relaxation	USEPA 525.2:1994
75	Chlorpyrifos	µg/l	BLQ (LOQ-0.05)	Max 30	No relaxation	USEPA 525.2:1994



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76	Delta HCH	µg/l	BLQ (LOQ-0.01)	Max 0.04	No relaxation	AOAC 990.06:2023
77	2,4 dichlorophenoxyacetic acid	µg/l	BLQ (LOQ-0.05)	Max 30	No relaxation	USEPA 515.1:1989
78	4,4-DDE	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	AOAC 990.06:2023
79	4,4-DDD	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	AOAC 990.06:2023
80	4,4-DDT	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	AOAC 990.06:2023
81	2,4-DDD	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	AOAC 990.06:2023
82	2,4-DDT	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	AOAC 990.06:2023
83	2,4-DDE	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	AOAC 990.06:2023
84	Endosulphan-I	µg/l	BLQ (LOQ-0.05)	Max 0.4	No relaxation	AOAC 990.06:2023
85	Endosulphan-II	µg/l	BLQ (LOQ-0.05)	Max 0.4	No relaxation	AOAC 990.06:2023
86	Endosulphan Sulfate	µg/l	BLQ (LOQ-0.05)	Max 0.4	No relaxation	AOAC 990.06:2023
87	Ethion	µg/l	BLQ (LOQ-0.05)	Max 3.0	No relaxation	USEPA 1657A:1993
88	Gamma HCH (Lindane)	µg/l	BLQ (LOQ-0.05)	Max 2.0	No relaxation	AOAC 990.06:2023
89	Isoproturon	µg/l	BLQ (LOQ-0.05)	Max 9.0	No relaxation	USEPA 532.2:2000
90	Malathion	µg/l	BLQ (LOQ-0.05)	Max 190	No relaxation	USEPA 8141A:1994
91	Methyl Parathion	µg/l	BLQ (LOQ-0.05)	Max 0.3	No relaxation	USEPA 8141A:1994
92	Monocrotophos	µg/l	BLQ (LOQ-0.05)	Max 1.0	No relaxation	USEPA 8171A:1994
93	Phorate	µg/l	BLQ (LOQ-0.05)	Max 2.0	No relaxation	USEPA 525.2:1994
<b>Trihalomethanes</b>						
94	Bromoform	mg/l	BLQ (LOQ-0.05)	Max 0.1	No relaxation	APHA 6232 24rd Edition: 2023
95	Dibromochloromethane	mg/l	BLQ (LOQ-0.05)	Max 0.1	No relaxation	APHA 6232 24rd Edition: 2023
96	Bromodichloromethane	mg/l	BLQ (LOQ-0.05)	Max 0.06	No relaxation	APHA 6232 24rd Edition: 2023
97	Chloroform	mg/l	BLQ (LOQ-0.05)	Max 0.2	No relaxation	APHA 6232 24rd Edition: 2023
<b>Biological Test Parameters</b>						
98	E. coli	/100ml	Absent	Absent	No relaxation	IS 15185:2016
99	Total coliform	/100ml	Present	Absent	No relaxation	IS 15185:2016



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\*Letter/TRF Dated : 29/07/2024

**Note :** BLQ- Below limit of Quantification, LOQ- Limit of Quantification  
#Residual chlorine is not stable, hence requirement is not applicable on stored water

**Remarks :** The sample does not conform to the IS 10500:2012 specifications with respect to the above tested parameters

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



*Sonika*  
Sonika maheshwari  
Sr. Analyst-Microbiology

*Bona*  
Kavita Rana  
OIC-Environment

Authorised Signatory

*Amarnath Patel*  
Amarnath Patel  
OIC-Instrument

\* Indicates Information supplied by the Customer for which the laboratory has no control.

- Note:
1. Sample(s) not drawn by FRAC, unless specified.
  2. The result listed refers only to tested sample(s) and applicable parameters. Endorsement of product is neither inferred nor implied.
  3. Sample(s) will be destroyed after fifteen days of the date of issue of test report unless otherwise specified, except for perishable sample, which would be destroyed immediately after issuance of report.
  4. Test report shall not be reproduced except in full, without written approval from FRAC.
  5. This test report in full or in part shall not be used for advertising or legal action.
  6. FRAC will not be held responsible for the authenticity of any photocopied, forged and or partially presented test reports.
  7. This is a computer generated document with electronic signature hence does not require manual signature.
  8. FRAC will ensure all corrective action as per our policy in case of any discrepancy in any sample tested, FRAC liability is limited to the amount charged against the testing of the sample.
  9. Retesting charges will be applicable in case the results are reproducible.
  10. Duplicate copy will be issued on chargeable basis.

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