

Sample ID : BBR220922/LTR-3351
 Customer Name : PHEO (Bhubaneswar)
 Sampling Location : Sainik School, Cadet Mess, Bhubaneswar
 Sample / Source : Distribution System
 Sample collection Date : 22-09-22
 Sample Receipt Date : 22-09-22
 Analysis completed on : 26-09-22

Sr. No	PARAMETERS	TEST METHODS	OBTAINED RESULTS	LIMITS (Max.)	
				Acceptable Limit	Permissible Limit
1	Colour, Hazen Units	IS :3025 (Part-4) ,1983 , RA-2014	2.84 HU	5 HU	15 HU
2	Odour	IS:3025 (Pt-5) 1983, RA-2012	Agreeable	Agreeable	Agreeable
3	Taste	IS 3025 (P-7 & 8) 1984, RA-2012	Agreeable	Agreeable	Agreeable
4	pH	IS: 3025 (Pt-11): 1983,RA-2006	6.95	6.5 - 8.5	No relaxation
5	Conductivity	IS: 3025 (Pt-14) 1984 ,RA-2002	163.3 µs/cm	NA	NA
6	Turbidity	IS: 3025 (Pt-10) 1984 (RA-2012)	0.91 NTU	1 NTU	5 NTU
7	Total Dissolved Solids	IS: 3025 (Pt-16) 1984, RA - 2006	102 mg/l	500 mg/L	2000 mg/L
8	Ammonia as N	IS 3025 (P-34),RA-2009	0.064 mg/l	0.5 mg/L	No relaxation
9	Total Suspended Solids	IS: 3025 (P-17) 1984 , RA 2012	0	NA	NA
10	Free Residual Chlorine	IS: 3025 (P-26) 1986 , RA 2009	0.3	0.2 mg/L	1 mg/L
11	Total Alkalinity(as CaCO ₃)	IS: 3025 (Pt-23):1986, RA-2003	50 mg/l	200 mg/L	600 mg/L
12	Total Hardness (as CaCO ₃)	IS: 3025 (Pt-21),RA-2009	74 mg/l	200 mg/L	600 mg/L
13	Calcium (as Ca)	IS: 3025 (Pt-40), RA-2009	20.84 mg/l	75 mg/L	200 mg/L
14	Magnesium (as Mg)	IS: 3025 (Pt-46), RA-2001	5.34 mg/l	30 mg/L	100 mg/L
15	Chlorides (as Cl)	IS:3025 (Pt-32):1988,RA-2003	17.99 mg/l	250 mg/L	1000 mg/L
16	Sulphide (as H ₂ S)	IS: 3025 (Pt-29)1986 , RA - 2009	0.010 mg/l	0.05 mg/L	No relaxation
17	Dissolve Oxygen	IS 3025 (P-38), RA-2003	7.3 mg/l	NA	NA
18	Sodium	IS 3025 (Pt-45)1994 ,RA - 2014	8.3 mg/l	NA	NA
19	Potassium	IS 3025 (Pt-45)1994 ,RA - 2014	1.7 mg/l	NA	NA
20	Iron (as Fe)	IS:3025 (Pt-53):2003 (Cl.6)	0.14 mg/l	1.0 mg/L	No relaxation
21	Fluoride (as F)	APHA 22 nd Edition 4500 F- (D)	0.070 mg/l	1.0 mg/L	1.5 mg/L
22	Sulphate	IS: 3025 (Pt-24) 1986 , RA - 2009	4.28 mg/l	200 mg/L	400 mg/L
23	Phosphate (total)	APHA 22 nd Edition 4500-P (D)	0.13 mg/l	0.2 mg/L	1.0 mg/L
24	Nitrate as NO ₃	APHA 22 nd Edition 4500 N- (B)	5.49 mg/l	45 mg/L	No relaxation
25	Nitrite as NO ₂	IS 3025 (P-34),RA-2009	0.041 mg/l	NA	NA
26	Silica	IS 3025 (P-35)1988 , RA 2014	7.31 mg/l	NA	NA

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27	Coliform	IS: 15185 : 2016	Absent	Absent / 100ml	NA
28	E. Coli	IS: 15185 : 2016	Absent	Absent / 100ml	NA
29	F.Streptococci	IS: 15186 : 2014	Absent	Absent / 100ml	NA

End of Report

For SPECTRO ANALYTICAL LABS LTD.

Prabir
Signature (Analyst)
Authorised Signatory

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