



ENVIRONMENTAL HEALTH AND SAFETY
RESEARCH & DEVELOPMENT CENTRE
P 080 23012100/121/122 E : ehsrdc2010@gmail.com
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(Recognised under section 12 of the Environment (Protection) Act, 1986) New Delhi.
ಎನ್ವಿರಾನ್‌ಮೆಂಟಲ್ ಹೆಲ್ತ್ ಅಂಡ್ ಸೇಫ್ಟಿ ರಿಸರ್ಚ್ ಅಂಡ್ ಡೆವಲಪ್‌ಮೆಂಟ್ ಸೆಂಟರ್
(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ, 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

एनवायरमेंटल हेल्थ एण्ड सेफ्टी रिसर्च एण्ड डेवलेपमेंट सेंटर

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यु दिल्ली.

ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018

Test Report

ANALYSIS REPORT OF WATER QUALITY

1. Name of the Project : M/s. Digimatique Technologies India Pvt Ltd.
35/12 Langford Road Cross Bheemanna Garden,
Richmond Tower Bangalore-25
2. Sample Collected by : M/s. Environmental Health and Safety Research &
Development Centre, Bangalore – 560 010.
3. Date of Collection : 16.03.2022
4. Particulars of Sample Collected : Filtered Water, Grab Sampling
5. Date of Sample Receipt : 16.03.2022
6. Sample Number : EHSRDC/DTIPL/W/22/03/14421
7. Analysis started on : 16.03.2022
8. Analysis Completed on : 21.03.2022
9. Report Issued on : 21.03.2022
10. Page No : 1 of 3
11. Protocol : APHA,23rdEdition/IS: Standard

Sl.No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					AL	PL
1.	pH Value	APHA 4500H+ B	-	7.54	6.5-8.5	NR
2.	Colour, Max	IS 3025(Part 4):1983	Hazen	<1	5	15
3.	Odour	IS 3025(Part 5):1983	-	Agreeable	Agreeable	
4.	Taste	IS 3025(Part 8):1984	-			
5.	Turbidity, Max	APHA 2130 B	NTU	0.22	1	5
6.	Total Dissolved Solids, Max	APHA 2540 C	mg/L	598	500	2000
7.	Total Hardness, Max	APHA 2340 C	mg/L	242	200	600
8.	Calcium as Ca, Max	APHA 3500-Ca	mg/L	49.6	75	200
9.	Magnesium as Mg, Max	APHA 3500 Mg B	mg/L	28.67	30	100
10.	Sulphate as SO ₄ , Max	APHA4500-SO ₄ ²⁻ E	mg/L	30.06	200	400
11.	Fluoride as F, Max	APHA 4500F D	mg/L	0.22	1.0	1.5
12.	Nitrate as NO ₃ , Max	APHA 4500-NO ₃ E	mg/L	17.24	45	NR
13.	Chloride as Cl, Max	APHA4500-Cl B	mg/L	72.40	250	1000
14.	Iron as Fe, Max	IS 3025(Part 2) 2019	mg/L	0.109	1	NR
15.	Sulphide as S ²⁻ , Max	APHA 4500-S ²⁻	mg/L	BDL	0.05	NR
16.	Residual Free Chlorine, Min	APHA 4500-Cl B	mg/L	BDL	0.2	1.0
17.	Boron as B, Max	APHA 4500-B B	mg/L	0.23	0.5	2.4
18.	Phenolic Compounds, Max	APHA 5530 C	mg/L	BDL	0.001	0.002


(Thejaswi.N)
Government Analyst

Concern towards protecting Environment

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19.	Alkalinity, Max	APHA 2320 B	mg/L	246	200	600
20.	Ammonia, Max	IS 3025 (part 34)	mg/L	BDL	0.5	NR
21.	Barium as Ba, Max	IS 3025(Part 2) 2019	mg/L	0.106	0.7	NR
22.	Aluminium as Al, Max	IS 3025(Part 2) 2019	mg/L	0.027	0.03	0.2
23.	Mercury as Hg, Max	IS 3025(Part 48)-1994,RA-2019	mg/L	BDL	0.001	NR
24.	Vanadium as V,	IS 3025(Part 2) 2019	mg/L	BDL	NS	
25.	Total Chromium, Max	IS 3025(Part 2) 2019	mg/L	BDL	0.05	NR
26.	Molybdenum as Mo, Max	IS 3025(Part 2) 2019	mg/L	BDL	0.07	NR
27.	Nickel as Ni, Max	IS 3025(Part 2) 2019	mg/L	0.01	0.02	NR
28.	Silver as Ag, Max	IS 3025(Part 2) 2019	mg/L	BDL	0.1	NR
29.	Lead as Pb, Max	IS 3025(Part 2) 2019	mg/L	BDL	0.01	NR
30.	Cadmium as Cd, Max	IS 3025(Part 2) 2019	mg/L	BDL	0.003	NR
31.	Selenium as Se, Max	IS 3025(Part 2) 2019	mg/L	BDL	0.01	NR
32.	Arsenic as As, Max	IS 3025(Part 2) 2019	mg/L	BDL	0.01	NR
33.	Cyanide as CN, Max	APHA 4500-CN D	mg/L	BDL	0.05	NR
34.	Zinc as Zn, Max	IS 3025(Part 2) 2019	mg/L	0.050	5	15
35.	Copper as Cu, Max	IS 3025(Part 2) 2019	mg/L	0.006	0.05	1.5
36.	Manganese as Mn, Max	IS 3025(Part 2) 2019	mg/L	0.005	0.1	0.3
37.	E-coli	IS 15185:2002	Present/ Absent /100ml	Absent	Absent	
38.	Total coliform	IS 15185:2002	Present/ Absent /100ml	Absent	Not Specified	
39.	Faecal coliform	APHA 9222 D	Present/ Absent /100ml	Absent	Absent	


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40.	Alpha Emitters, <i>Max</i>	IS 14194 (Part -2): 1994	Bq/L	BDL	0.1	NR
41.	Beta Emitters, <i>Max</i>	IS 14194 (Part -1): 1994	Bq/L	BDL	1.0	NR
42.	Polychlorinated Biphenyls, <i>Max</i>	IS 13428:2014	mg/L	BDL	0.0005	NR
43.	Polynuclear Aromatic Hydrocarbons, <i>Max</i>	APHA 23 rd Edition	mg/L	BDL	0.0001	NR
44.	Chloramines, <i>Max</i>	IS 3025 part 26	mg/L	BDL	4.0	NR
45.	Mineral Oil, <i>Max</i>	IS 3025(Part 39):1991	mg/L	BDL	0.5	NR
Trihalomethanes						
a.	Bromoform, <i>Max</i>	APHA 23 rd Edition	µg/L	BDL	0.1	NR
b.	Dibromochloromethane, <i>Max</i>	APHA 23 rd Edition	µg/L	BDL	0.1	NR
c.	Bromodichloromethane, <i>Max</i>	APHA 23 rd Edition	µg/L	BDL	0.06	NR
d.	Chloroform, <i>Max</i>	APHA 23 rd Edition	µg/L	BDL	0.2	NR
Pesticides						
a.	Alachlor	USEPA -525.2	µg/L	Absent	20	
b.	Atrazine	USEPA -525.2	µg/L	Absent	2.0	
c.	Aldrin	USEPA -525.2	µg/L	Absent	0.03	
d.	Dieldrin	USEPA -525.2	µg/L	Absent	0.03	
e.	Alpha HCH	USEPA -508	µg/L	Absent	0.01	
f.	Beta HCH	USEPA -508	µg/L	Absent	0.04	
g.	Butachlor	USEPA -525.2	µg/L	Absent	125	
h.	Chlorpyriphos	USEPA -525.2	µg/L	Absent	30	
i.	Delta HCH	USEPA -508	µg/L	Absent	0.04	
j.	2,4 Dichlorophenoxyacetic acid	USEPA -532	µg/L	Absent	30	
k.	DDT & Isomers	USEPA -508	µg/L	Absent	1	
l.	Endosulfan & Isomers	USEPA -508	µg/L	Absent	0.4	
m.	Ethion	USEPA -8141A	µg/L	Absent	3.0	
n.	Gamma-HCH	USEPA-508	µg/L	Absent	2.0	
o.	Isoproturon	USEPA -515.5	µg/L	Absent	9.0	
p.	Malathion	USEPA -8141A	µg/L	Absent	190	
q.	Methyl parathion	USEPA -8141A	µg/L	Absent	0.3	
r.	Monocrotophos	USEPA -8141A	µg/L	Absent	1	
s.	Phorate	USEPA -8141A	µg/L	Absent	2	

AL – Acceptable Limit, PL – Permissible Limit, BDL – Below Detectable Limit, NR – No Relaxation.

INFERENCE

As per IS 10500:2012(Second Revision),

Report Status: - The measured values for the above parameters for those standards have been specified were observed to be within the said standards.

End of Report

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