

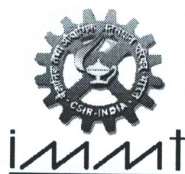
CSIR-INSTITUTE OF MINERALS & MATERIALS TECHNOLOGY.

(A Govt. of India Autonomous Body)

Environmental Chemical Laboratory

Bhubaneswar, Odisha

(An NABL Accredited Laboratory)



Certificate No. : T-8091

TEST REPORT

Issued to: NISER , Bhubaneswar

Date:05.11.2020

Test Report No. 2010CH081

Source of Sample : Biology Building

Sample Received on: 12.10.2020

Bottle Seal no if any:01

Type of Sample : Drinking water

Letter Reference :NISER/IWD-Civil/Services/2019/24/T/9-2

Sl No	Characteristics	Test Method (P) of IS:3025	Requirements as per IS 10500:2012(Latest Version)		Test Result
			Acceptable limit	Permissible Limit	
1.	*Color, Hazen units	Part 4	5	15	<5
2.	*Odour	Part 5	Agreeable	Agreeable	Agreeable
3.	Turbidity, NTU	Part 10	1	5	0.01
4.	pH@Temp ° C	Part 11	6.5-8.5	No relaxation	7.49 @25.5
5.	*Conductivity, µs/cm	Part 14	-	-	82
6.	*Total Suspended Solid, mg/l	Part 17	-	-	0.1
7.	Total Dissolved Solids mg/L	Part 16	500	2000	56.0
8.	Total Hardness (as CaCO ₃),mg/L	Part 21	200	600	18.47
9.	Calcium as Ca, mg/L	Part 40	75	200	5.63
10.	Magnesium as Mg, mg/L	Part 46	30	100	1.07
11.	Alkalinity as CaCO ₃ , mg/L	Part 23	200	600	14.0
12.	Chloride as Cl, mg/L	Part 32	250	1000	17.33
13.	Sulfate as SO ₄ , mg/L	Part 24	200	400	1.21
14.	Fluoride as F, mg/L	Part 60	1.0	1.5	0.02
15.	*Nitrite as NO ₂ ,mg/L	Part 34	-	-	0.0105
16.	*Nitrate as NO ₃ , mg/L	Part 34	45	No relaxation	3.642
17.	*Residual free chlorine, mg/L	Part 26	0.02	1.0	<0.001

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Laboratory: Acharya Vihar, Bhubaneswar, Odisha-751013. Tel: 0674-2379236, Mobile: 9760387460.

Environmental & Sustainability Dept.
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18.	Sodium, mg/l	Part 45	-	-	4.19
19.	Potassium, mg/l	Part 45	-	-	1.34
20.	Dissolved Oxygen, mg/l	Part 38	-	-	6.50
21.	Biological Oxygen Demand, mg/l	Part 44	-	-	0.20
22.	Chemical Oxygen Demand, mg/l	Part 58	-	-	3.0
23.	Free CO ₂ , mg/l	Part 61	-	-	10.0
24.	Iron as Fe, mg/L	Part 53	0.3	No relaxation	0.675
25.	Copper as Cu, mg/L	Part 42	0.05	1.5	0.017
26.	Manganese as Mn, mg/L	Part 59	0.1	0.3	0.035
27.	Zinc as Zn, mg/L	Part 49	5.0	15.0	0.657
28.	Lead as Pb, mg/L	Part 47	0.01	No relaxation	<0.01
29.	Cadmium as Cd, mg/L	Part 41	0.003	No relaxation	0.008
30.	Chromium as Cr, mg/L	Part 52	0.05	No relaxation	0.014
31.	Nickel as Ni, mg/l	Part 54	0.02	No relaxation	0.103
32.	Arsenic, mg/l	Part 37	0.01	No relaxation	<0.01

NOTES :

1. The sample is drawn by the customer & result relates to the sample tested.
2. This certificate shall not be reproduced wholly or in part without prior written consent of the laboratory.
3. This certificate shall not be used in any advertising media or as evidence in the court of Law without prior written consent of laboratory.
4. Latest version of test methods used as per latest specification.
5. Testing parameters which are not in NABL Scope has marked as "*" .
6. Testing parameters which are not set limitation has marked as " - " .

Authorized Signatory

for R. Boopathy

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