CSIR-INSTITUTE OF MINERALS & MATERIALS TECHNOLOGY.

(A Govt. of India Autonomous Body)



Environmental Chemical Laboratory

Bhubaneswar, Odisha (An NABL Accredited Laboratory)



TEST REPORT

TEST REPORT NO. - NABL/ECL/0156

DATE-02.02.2022

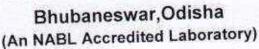
SI No		Test Method (P)of IS:3025	Requirements as per IS 10500:2012(Latest Version)		Test Result
			Acceptable limit	Permissible Limit	Loring .
*Color, Hazen units		Part 4	5	15	<5
2.,	*Odour	Part 5	Agreeable	Agrecable	Agreeable
Turbidity, NTU pH@Temp °C		Part 10	1	5	7,20@ 25.2
		Part 11	6.5-8.5	No relaxation	82
5.	*Conductivity, µs/cm	Part 14		This was	0.1
6.	*Total Suspended	Part 17			56.0
7.	Solid, mg/l Total Dissolved Solids	Part 16	500	2000	
8.	mg/L Total Hardness (as	Part 21	200	600	
9.	CaCO ₁),mg/L Calcium as Ca, mg/L	Part 40	75	200	4.01
10.	Magnesium as Mg.	Part 46	30	100	2.18
11.	mg/L	Part 23	200	600	7.0
-	mg/L	Part 32	250	1000	18.0
12.		Part 24	200	400	0.25
13.	-	Part 60	1.0	1.5	0.02
14.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				0.014
15		Part 34	45	No relaxation	7.896
16	*Nitrate as NO ₃ , mg/L			1.0	BDL
17	*Residual free chlorine, mg/L	Part 26	0.02	100	6.75
18		Part 45			2.97
15	Potassium,mg/I	Part 45			5.40
20	Dissolved Oxygen, mg/l	Part 38			BDL
2	Biological Oxygen Part 44 Demand, mg/l				BDL
2					800

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Ceredicate No. : T-8091

TEST REPORT

		Part 31			BDL
23.	Mineral oil, mg/l	rait 33		N. Samelina	0.294
24.	Iron as Fe, mg/L	Part 53	0.3	No relaxation	0.0000000000000000000000000000000000000
		Part 42	0.05	1.5	< 0.001
25.	Copper as Cu, mg/L	Part 42		0.5	< 0.001
26.	Manganese as Mn,	Part 59	0.1	0.3	2,000
	mg/L		5.0	15.0	0.279
27.	Zinc as Zn, mg/L	Part 49	3,4	307 774 7004	0,176
28.	Lead as Pb, mg/L	Part 47	0.01	No relaxation	0,173
- vicos	AV-24/1- C-12/2	2 2 99	0.003	No relaxation	0.024
29.	Cadmium as Cd, mg/L	Part 41	0.000	1.88 T. ABREST TOWNS OF	0.372
30.	Chromium as Cr, mg/L	Part 52	0.05	No relaxation	N.274
5.04.				No relaxation	0.044
31.	Nickel as Ni, mg/l	Part 54	0.02	30000000000000000000000000000000000000	10.001
32.	Arsenic as As , mg/l	Part 37	0.01	No relaxation	<0.001

*BDL-Below Detection Limit

NOTES:

- 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.
- Latest version of test methods used as per latest specification.
- 5. It is recommended that the acceptable limit is to be implemented. Values in excess of those metioned in "acceptable limit" render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicate under "permissible limit" in the absence of alternative sources, above which the source will have to be rejected.
- Testing parameters which are not in NABL Scope has marked as "•"
- Testing parameters which are not set limitation has marked as " –

Authorized Signatory

Dr Arakshita Majhi

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CSIR - Institute of Minerals and Materials Technology (Council of Scientific and Industrial Research) Bhubaneswar-751013, Odisha, India Environmental Biology Laboratory (EBL) Environment & Sustainability Department



Test Report

Test report Date: 7.2.2022	
Sample condition: Satisfactory	
Sample Received on: 17.1.20?2	
Sample Analysed on: 21.1.2021	

SI. No.	Test/ Parameter	Test Method	Requirements as per IS 10500:2012 (RA 2018)		Test Result with units of	Statement of Conformity
			Acceptable limit	Permissible Limit	measurement	[™]
1.	E.coli by Membrane filtration	IS 15185 RA 2018	Shall not be detect in 100ml sample	No relaxation	Absent per 100 ml	Conformance
2.	Total coliform by MPN	IS 1622 RA 2019	Shall not be detect in 100ml sample	No relaxation	5 MPN/100 mL	Non- Conformance
3.	Fecal coliform by MPN	IS 1622 RA 2019	Shall not be detect in 100ml sample	No relaxation	<2MPN/100 mL	Conformance

End of test report

Authorized Signatory

Dr. Sony Pandey 4.2 Quality Manager

(Principal Scientist, E&S Department)

Environmental Biology Lab

Notes:

Lab, E&S Deptt

- 1. The test report relates only to the items tested.
- 2. The sample is drawn by the customer, hence EBL is not responsible for any errors arising out of faulty sample withdrawal, handling or container.
- Sterile containers and aseptic handling of samples during collection and transport is necessary for correct results. EBL is not responsible for mistakes on the part of customers.
- The decision rule is inherent in the standard as the acceptable and permissible limits are predefined.
- The report should not be interpreted in part, or reproduced wholly, or in part without prior consent of the laboratory.
- This report should not be used for advertisement, and as a certificate or as evidence in the court of law without prior consent of the laboratory.
- The report is for information purpose relating only to the characteristics mentioned in tris
 report, it cannot be extrapolated for any other purpose without involving EBL.

Contact: Head. Environment & Sustainability Department at Tel: 91-674-2379411/2379271/2379242, Mobile: 9437460626/9437290470/9337733311, email: head.es@immt.res.in, Website: www.immt.res.in

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