

Environ Tech Laboratories

NABL Accredited (ISO/IEC 17025:2017)/ MoEF & CC Recognized
PPCB Approved/ OHSAS 45001:2018

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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/

Date:- 25/5/20
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TEST REPORT

To
M/s Madhav Alloys Limited.,
Village- Abelgarh, Mandi, Gobindgarh (Pb).

Report No.	ETL/44/2020/G/20643	Report Date	25.05.2020
Your Ref. No.	Nil	Type of sample	Borewell Water
Sample Code Given by Customer	Nil	Quantity	05 LITER
Sampling Location	Nil	Date of sampling	15.05.2020
Sample Collected By	Lab Person	Date of sample receipt	16.05.2020
Sampling procedure	As per SOP	Sample I.D.	ETL/32/2020/G/643
		Date of test	16.05.2020-25.05.2020

S. No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
1	pH	7.07	6.5 – 8.5	No relaxation	APHA 23 rd Edition:2017 -4500-H ⁺ B
2	Total Dissolved Solids mg/l Max	804	500	2000	APHA 23 rd Edition:2017 -2540 C
3	Alkalinity (as CaCO ₃) mg/l ,Max	371	200	600	APHA 23 rd Edition:2017-2320 B
4	Chloride (as Cl), mg/l, Max	174	250	1000	APHA 23 rd Edition:2017 -4500-Cl B
5	Sulphate (as SO ₄) mg/l, Max	35	200	400	APHA 23 rd Edition 2017-4500 SO ₄ E
6	Calcium (as Ca) mg/l Max	108	75	200	APHA 23 rd Edition:2017 -3500-Ca B
7	Magnesium (as Mg) mg/l, Max	29	30	100	APHA 23 rd Edition:2017 -3500-Mg B
8	Total Hardness(as CaCO ₃) mg/l, Max	390	200	600	APHA 23 rd Edition:2017 -2340 C
9	Sodium (as Na) mg/l Max	114	-	-	APHA 23 rd Edition 2017-3500 Na B
10	Potassium (as K) mg/l Max	8.6	-	-	APHA 23 rd Edition 2017-3500 K B
11	Nitrate (as NO ₃) mg/l, Max	2.9	45	No relaxation	APHA 23 rd Edition:2017 -4500-NO ₃ B
12	Fluoride (as F) mg/l Max	0.64	1.0	1.5	APHA 23 rd Edition:2017 -4500-F D
13	Colour, Hazen unit, max	<1	5	25	APHA 23 rd Edition:2017-2120B
14	Odour	Agreeable	Agreeable	----	APHA 23 rd Edition:2017-2150
15	Turbidity, NTU max	<1	5	10	APHA 23 rd Edition 2017 2130 B
16	Taste	Agreeable	Agreeable	----	APHA 23 rd Edition:2012-2160
17	Iron (as Fe) mg/l Max	0.1	0.3	No relaxation	APHA 23 rd Edition 2017-3500 Fe B
18	Boron (as B) mg/l Max	ND	0.5	1.0	APHA 23 rd Edition 2017-4500 B B
19	Manganese (as Mn) mg/l Max	0.02	0.1	0.3	APHA 23 rd Edition 2017-3111 B
20	Zinc (as Zn) mg/l Max	1.2	5	15	APHA 23 rd Edition 2017-3111 B
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	APHA 23 rd Edition 2017-3111 B
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	APHA 23 rd Edition 2017-3111 B
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	APHA 23 rd Edition 2017-3111 B
24	Arsenic (as As) mg/l	ND	0.01	0.05	APHA 23 rd Edition 2017-3114 B
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-3111 B
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 S ²⁻ D

Bacteriological examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMITS	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185 2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185 2016

Note: ND Denotes Not Detectable

1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

Analyzed By

Checked By
End of Report

(Authorized Signatory)

AJEET SINGH
Dy. Technical Manager

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission
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NOT VALID FOR LEGAL PURPOSES