National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MET-CHEM LABORATORIES, #289, ASHIRWAD, 12TH CROSS, 5TH MAIN, M.S RAMAIAH NAGAR, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5318 **Page No** 1 of 4

Validity 08/08/2022 to 07/08/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- ORES & MINERALS	Bauxite	Aluminum (Al2O3)	IS : 2000 (Part 3)
2	CHEMICAL- ORES & MINERALS	Bauxite	Ferric Oxide (Fe2O3)	IS : 2000 (Part 4)
3	CHEMICAL- ORES & MINERALS	Bauxite	Loss on Ignition (LOI)	IS : 2000 (Part 1)
4	CHEMICAL- ORES & MINERALS	Bauxite	Silica(SiO2)	IS : 2000 (Part 2)
5	CHEMICAL- ORES & MINERALS	Bauxite	Titanium (TiO2)	IS : 2000 (Part 5)
6	CHEMICAL- ORES & MINERALS	Iron ores	Aluminum (Al2O3)	IS-1493 (Part-1)
7	CHEMICAL- ORES & MINERALS	Iron ores	Loss on Ignition (LOI)	Manual of Procedure for Chemical and Instrumental Analysis of Ores, Minerals, Ore Dressing Products and Environmental Samples", issued by Controller General Indian Bureau of Mines,Feb
8	CHEMICAL- ORES & MINERALS	Iron ores	Phosphorus (P)	IS-1493 (Part-1)
9	CHEMICAL- ORES & MINERALS	Iron ores	Silica (SiO2)	IS-1493 (Part-1)
10	CHEMICAL- ORES & MINERALS	Iron ores	Sulphur (S)	IS-1493 (Part-1)
11	CHEMICAL- ORES & MINERALS	Iron ores	Total Fe	IS-1493 (Part-1)
12	CHEMICAL- ORES & MINERALS	Lime stone & Dolomite	Calcium Oxide (CaO)	IS-1760 (part-3)
13	CHEMICAL- ORES & MINERALS	Lime stone & Dolomite	Loss on Ignition (LOI)	IS-1760 (part-2)
14	CHEMICAL- ORES & MINERALS	Lime stone & Dolomite	Magnesium oxide (MgO)	IS-1760 (part-3)
15	CHEMICAL- ORES & MINERALS	Lime stone & Dolomite	Potassium oxide (K2O)	IS-1760 (part-3)
16	CHEMICAL- ORES & MINERALS	Lime stone & Dolomite	Sodium oxide (Na2O)	IS-1760 (part-3)

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17	CHEMICAL- ORES & MINERALS	Limestone&dolomite	Alumina(Al203)	IS-1760 (part-3)
18	CHEMICAL- ORES & MINERALS	Limestone&dolomite	Ferric Oxide (Fe2O3)	IS-1760 (part-3)
19	CHEMICAL- ORES & MINERALS	Limestone&dolomite	Silica(SiO2)	IS 1760 PART 2
20	CHEMICAL- ORES & MINERALS	Manganese ores	Aluminum (Al2O3)	IS-1473
21	CHEMICAL- ORES & MINERALS	Manganese ores	Ferric Oxide (Fe2O3)	IS-1473
22	CHEMICAL- ORES & MINERALS	Manganese ores	Loss on Ignition (LOI)	Manual of Procedure for Chemical and Instrumental Analysis of Ores, Minerals, Ore Dressing Products and Environmental Samples", issued by Controller General Indian Bureau of Mines,Feb
23	CHEMICAL- ORES & MINERALS	Manganese ores	Phosphorus (P)	IS-1473
24	CHEMICAL- ORES & MINERALS	Manganese ores	Silica (SiO2)	IS-1473
25	CHEMICAL- ORES & MINERALS	Manganese ores	Sulphur (S)	IS-1473
26	CHEMICAL- ORES & MINERALS	Manganese ores	Total Mn	IS-1473
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonical Nitrogen	IS 3025 Part 34
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	BOD for 3 days at 27 degree centigrade	IS 3025 Part 44
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium	IS 3025 part-40
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	IS 3025 Part 58
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chlorides as Cl	IS 3025 part-32
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Colour	MCL/SOP/Color
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	IS 3025: Part-14

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34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Copper as Cu	IS 3025 part 42
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride	IS 3025 part-60/Spadns Method
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron as Fe	I.S. 3025 Part-53/ Clause-06
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium	IS 3025 part-46
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Manganese as Mn	IS 3025 part 59/Clause 06
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrates	MCL/SOP/NO3
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	IS 3025 Part39/Clause 07
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH value	IS 3025 part-11
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phenolphthalein (alk)	IS 3025 part-23/1986
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Residual chlorine (Free)	IS 3025 Part 26/ cl 3.0
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphates	IS 3025 part-24/1986/Clause 02
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	TDS at 105 degree centigrade	IS 3025 part-4/1984
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total alkalinity	IS 3025 part-23/1986
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Chromium	IS 3025 Part 52 / Clause06
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total hardness	IS 3025 part-21
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Kjeldal Nitrogen	IS 3025 Part 34 /Clause2.3
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	TSS	MCL/SOP/TSS
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	IS 3025 part-10
52	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	Calcium	IS 3025 part-40/1991
53	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	Chlorides	IS 3025 part-32

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54	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	Colour	MCL/SOP/Color
55	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	Conductivity	IS 3025: Part-14
56	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	Fluoride	IS 3025 part-60/Spadns Method
57	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	Magnesium	IS 3025 part-46
58	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	Nitrates	MCL/SOP/NO3
59	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	pH value	IS 3025 part-11/1983
60	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	Phenolphthalein (alk)	IS 3025 part-23
61	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	Sulphates	IS 3025 part-24/Clause 02.
62	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	T.S.S	MCL/SOP/TSS
63	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	Total alkalinity	IS 3025 part-23/
64	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	Total Chromium	IS 3025 Part 52 / Clause06
65	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	Total hardness	IS 3025 part-21
66	CHEMICAL- WATER	(Drinking water /Bore well water/ Raw Water)	Turbidity	IS 3025 part-10
67	CHEMICAL- WATER	Water (Drinking water /Bore well water/ Raw Water)	TDS	IS 3025 part-16