National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MADHAV AND ASSOCIATES, NO 37/2, KALLIPURA ROAD, HONNENAHALLI, TAMAKA, KOLAR, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6327 **Page No** 1 of 5

Validity 22/04/2022 to 21/04/2024 **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- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	IS 5182 (Part 25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (NO2)	IS 5182 (Part 6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (Size less than2.5µm) or PM 2.5	IS 5182 (Part 24)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (Size less than10µm) or PM10	IS 5182 (Part 23)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS 5182 (Part 2)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Ambient Noise	IS 9989
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Nitrogen Dioxide (NO2)	IS 11255 (Part 7)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate matter	IS 11255 (Part 1)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide (SO2)	IS 11255 (Part 2)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Velocity & volume of Flue gas Discharged	IS 11255 (Part 3)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Sludge	Gross Calorific Value	MA SOP S 09
12	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Moisture	MA SOP S 10
13	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Nitrogen	MA /SOP/ S/ 05
14	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Carbon	MA SOP S 06
15	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH	MA SOP S 04
16	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Phosphorous	MA SOP S 08
17	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Potassium	MA SOP S 03
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	% Sodium	MA SOP 012

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Acidity	IS 3025 (Part 22)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Alkalinity	IS 3025 (Part 23)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonical nitrogen	IS 3025 (Part 34)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Bio-Chemical Oxygen Demand	IS 3025 (Part 44)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Boron	IS 3025 (Part 57)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cadmium	IS 3025 (Part 41)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium	IS 3025 (Part 40)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	IS 3025 (Part 58)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chlorides	IS 3025 (Part 32)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Color	APHA 2120B 23rd
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	IS 3025 (Part 14)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Copper	IS 3025 (Part 42)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved oxygen	IS 3025 (Part 38)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride	IS 3025 (Part 60)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Hexavalent Chromium	IS 3025 (Part 52)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Kjeldhal Nitrogen	IS 3025 (Part 34)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Lead	IS 3025 (Part 47)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium	IS 3025 (Part 46)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Manganese	IS 3025 (Part 59)

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nickel	IS 3025 (Part 54)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate Nitrogen	IS 3025 (Part 34)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrite Nitrogen	IS 3025 (Part 34)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	IS 3025 (Part 39)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS 3025 (Part 11)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphate	IS 3025 (Part 31)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium	IS 3025 (Part 45)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Residual Chlorine	IS 3025 (Part 26)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Residual Sodium Carbonate	MA SOP 012
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium	IS 3025 (Part 45)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium Absorption Ratio	MA SOP 012
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphates	IS 3025 (Part 24)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphide	IS 3025 (Part 29)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	IS 3025 (Part 09)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Chromium	IS 3025 (Part 52)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	IS 3025 (Part 16)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness	IS 3025 (PART 21)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Solids	IS 3025 (Part 15)
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	IS 3025 (Part 17)

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57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Zinc	IS 3025 (Part 49)
58	CHEMICAL- POLLUTION & ENVIRONMENT	Water	Turbidity	IS 3025 (Part 10)
59	CHEMICAL- RESIDUES IN WATER	Drinking Water	Boron	IS 3025 (Part 57)
60	CHEMICAL- RESIDUES IN WATER	Drinking Water	Chromium as Cr 6+	IS 3025 (Part 52)
61	CHEMICAL- RESIDUES IN WATER	Drinking Water	Copper	IS 3025 (Part 42)
62	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead	IS 3025 (Part 47)
63	CHEMICAL- RESIDUES IN WATER	Drinking Water	Manganese	IS 3025 (Part 59)
64	CHEMICAL- RESIDUES IN WATER	Drinking Water	Nickel	IS 3025 (Part 54)
65	CHEMICAL- RESIDUES IN WATER	Drinking Water	Total Iron	IS 3025 (Part 53)
66	CHEMICAL- RESIDUES IN WATER	Drinking Water	Zinc	IS 3025 (Part 49)
67	CHEMICAL- WATER	Drinking Water	Alkalinity	IS 3025 (Part 23)
68	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part 40)
69	CHEMICAL- WATER	Drinking Water	Chlorides	IS 3025 (Part 32)
70	CHEMICAL- WATER	Drinking Water	Color	APHA 2120B Edition 22
71	CHEMICAL- WATER	Drinking Water	Conductivity	IS 3025 (Part 14)
72	CHEMICAL- WATER	Drinking Water	Cyanide	IS 3025 (Part 27)
73	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS 3025 (Part 38)
74	CHEMICAL- WATER	Drinking Water	Fluoride	IS 3025 (Part 60)
75	CHEMICAL- WATER	Drinking Water	Magnesium	IS 3025 (Part 46)
76	CHEMICAL- WATER	Drinking Water	Nitrate Nitrogen	IS 3025 (Part 34)
77	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
78	CHEMICAL- WATER	Drinking Water	Potassium	IS 3025 (Part 45)
79	CHEMICAL- WATER	Drinking Water	Residual Chlorine	IS 3025 (Part 26)
80	CHEMICAL- WATER	Drinking Water	Sodium	IS 3025 (Part 45)

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81	CHEMICAL- WATER	Drinking Water	sulphate	IS 3025 (Part 24)
82	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
83	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 (Part 21)
84	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	IS 3025 (Part 17)
85	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)