National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PREMIER ANALYTICAL LABORATORIES, BESIDE GOVT. PRIMARY SCHOOL, HOSPET, BALLARI, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6193 **Page No** 1 of 5

Validity 07/09/2021 to 06/09/2023 **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	Oxides of Nitrogen (NO2)	IS: 5182 (Part 7)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Sulphur (SO2)	IS: 5182 (part 2)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (Size less than 2.5µm) or PM2.5	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 Noise levels	Ambient Noise level	IS : 9989
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen	IS:11255(Part7)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Sulphur	IS:11255(Part2)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate matter	IS:11255(Part1)
9	CHEMICAL- ORES & MINERALS	Iron Ore	Loss on Ignition	ISO 11536
10	CHEMICAL- ORES & MINERALS	Iron Ore	Manganese	IS:1493
11	CHEMICAL- ORES & MINERALS	Iron Ore	Phosphorus	IS:1493(part 1)
12	CHEMICAL- ORES & MINERALS	Iron Ore	Silica	IS:1493(part 1)
13	CHEMICAL- ORES & MINERALS	Iron Ore	Total Fe	IS:1493(part 1)
14	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Calcium Oxide	IS:1760(Part 3)
15	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Loss On Ignition	IS:1760(Part 1)
16	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Magnesium Oxide	IS:1760(Part 3)
17	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Silica	IS:1760(Part 2)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Ammonical Nitrogen as NH4-N	APHA 23rd EDITION,4500-NH3, B,C

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6193 **Page No** 2 of 5

Validity 07/09/2021 to 06/09/2023 **Last Amended on** -

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Boron as B	APHA 23rd EDITION,4500-B, B
20	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Calcium as ca	APHA 23rd EDITION,3500 Ca B ,
21	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Chloride as Cl	APHA 23rd EDITION,4500 Cl B
22	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Chlorine Residual	APHA 23rd EDITION,4500-Cl, I
23	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Conductivity	APHA 23rd EDITION,2510 B ,
24	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Nitrite Nitrogen as NO2 - N	APHA 23rd EDITION,4500-NO2, B
25	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Oil & Grease	APHA 23rd EDITION, 5520D
26	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	pH	APHA 23rd EDITION ,4500 H+B
27	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Sulphate as SO4	APHA 23rd EDITION,4500 SO4 D
28	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Total Alkalinity as CaCO3	APHA 23rd EDITION ,2320 B
29	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Total Dissolved Solids	APHA 23rd EDITION , 2540 C
30	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Total Hardness as CaCO3	APHA 23rd EDITION ,2340 C
31	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Total Phosphate	APHA 23rd EDITION, 4500-P, D,
32	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage	Total Suspended solids	APHA 23rd EDITION ,2540 D
33	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Biological oxygen Demand for 3 days at 27 ° C	IS 3025 (Part 44):
34	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Chemical oxygen Demand	APHA 23rd EDITION, 5220B
35	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Colour	APHA 23rd EDITION, 2120 B
36	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Dissolved Oxygen	APHA 23rd EDITION, 4500 O
37	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Fluoride as F	APHA 23rd EDITION, 4500 F,D

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6193 **Page No** 3 of 5

Validity 07/09/2021 to 06/09/2023 **Last Amended on** -

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Iron as Fe	APHA 23rd EDITION, 3500 Fe B
39	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Nitrate Nitrogen as NO3- N	APHA 23rd EDITION, 4500 NO3 E, IS:3025 (Part-34)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Odour	APHA 23rd EDITION, 2150 B
41	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Percent Sodium	SOP-PAL/TM/W/038 Issue No: 01
42	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Potassium as K	APHA 23rd EDITION, 3500 K, B
43	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Residual Sodium carbonate	IS 11624
44	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Sodium absorption ratio	IS 11624
45	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Sodium as Na	APHA 23rd EDITION, 3500 Na, B
46	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Turbidity	APHA 23rd EDITION, 2130 B
47	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Acidity as CaCO3	APHA 23rd EDITION ,2310 B
48	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Mixed Liquor suspended solids	APHA 23rd EDITION 2540 A,D,E
49	CHEMICAL- RESIDUES IN WATER	Borewell water / ground water / surface water	Boron as B	APHA 23rd edition , 4500 - B, B
50	CHEMICAL- RESIDUES IN WATER	Borewell water / Ground water / Surface water	Iron as Fe	APHA 23rd EDITION,3500 Fe B
51	CHEMICAL- WATER	Borewell water /Ground water / Surface water	Calcium as Ca	APHA 23rd EDITION,3500 Ca B
52	CHEMICAL- WATER	Borewell water / Ground water / Surface water	Acidity as CaCO3	APHA 23rd edition, 2310 B
53	CHEMICAL- WATER	Borewell Water / Ground Water / Surface Water	Ammonical Nitrogen as NH4-N	APHA 23rd EDITION ,4500-NH3, B,C
54	CHEMICAL- WATER	Borewell water / Ground Water / Surface Water	Colour	APHA 23rd EDITION,2120 B
55	CHEMICAL- WATER	Borewell Water / Ground water / Surface Water	Conductivity	APHA 23rd EDITION ,2510 B
56	CHEMICAL- WATER	Borewell water / Ground water / Surface water	Dissloved Phosphate as PO4	APHA 23rd edition , 4500 - P , D
57	CHEMICAL- WATER	Borewell Water / Ground Water / Surface Water	Magnesium as Mg	APHA 23rd EDITION ,3500 Mg B
58	CHEMICAL- WATER	Borewell water / Ground water / Surface water	Nitrate Nitrogen as NO3- N	APHA 23rd EDITION,4500 NO3 E, IS:3025(Part-34)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6193 **Page No** 4 of 5

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59	CHEMICAL- WATER	Borewell water / ground water / surface water	Nitrite Nitrogen as NO2 - N	APHA 23rd edition , 4500 - NO2, B
60	CHEMICAL- WATER	Borewell water / Ground Water / Surface Water	Odour	APHA 23rd EDITION ,2150 B
61	CHEMICAL- WATER	Borewell water / Ground Water / Surface Water	Percent Sodium	SOP-PAL/TM/W/038
62	CHEMICAL- WATER	Borewell Water / Ground Water / Surface water	Potassium as K	APHA 23rd EDITION,3500 K, B
63	CHEMICAL- WATER	Borewell water / Ground water / Surface water	Residual Sodium carbonate	IS 11624
64	CHEMICAL- WATER	Borewell water / Ground water / Surface water	Sodium absorption ratio	IS 11624
65	CHEMICAL- WATER	Borewell water / Ground Water / Surface water	Sodium as Na	APHA 23rd EDITION,3500 Na, B
66	CHEMICAL- WATER	Borewell water / Ground water / surface water	Sulphate as SO4	APHA 23rd EDITION ,4500 SO4 D
67	CHEMICAL- WATER	Borewell water / Ground Water / Surface water	Total Alkalinity as CaCO3	APHA 23rd EDITION, 2320 B
68	CHEMICAL- WATER	Borewell water / Ground water / Surface water	Total Dissolved Solids	APHA 23rd EDITION, 2540 C
69	CHEMICAL- WATER	Borewell water / Ground Water / Surface water	Total Hardness as CaCO3	APHA 23rd EDITION,2340 C
70	CHEMICAL- WATER	Borewell water / Ground Water / Surface Water	Total Suspended solids	APHA 23rd EDITION ,2540 D
71	CHEMICAL- WATER	Borewell water / Ground water / Surface water	Turbidity	APHA 23rd EDITION,2130 B
72	CHEMICAL- WATER	Borewell water / Surface water / Ground water	pH	APHA -23rd edition, 4500 H+B
73	CHEMICAL- WATER	Borewell Water/ Ground Water / Surface Water	Chloride as Cl	APHA 23rd EDITION, 4500 Cl B
74	CHEMICAL- WATER	Borewell water/Surface water/Ground water	Temperature	APHA 23rd EDITION ,2550 B

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6193 **Page No** 5 of 5

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Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen (NO2)	IS: 5182 (Part 7)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Sulphur (SO2)	IS: 5182 (part 2)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (Size less than 2.5µm) or PM2.5	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 Noise levels	Ambient Noise level	IS : 9989
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen	IS:11255(Part7)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Sulphur	IS:11255(Part2)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate matter	IS:11255(Part1)