



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name AGRO MET LAB, 46A, SANGANOOR ROAD, COIMBATORE, TAMIL NADU, INDIA
 Accreditation Standard ISO/IEC 17025:2005
 Certificate Number TC-8257 Page No. : 1 / 7
 Validity 03/01/2019 to 02/01/2021 Last Amended on -

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	CHEMICAL- METALS & ALLOYS	Alloy steel	Aluminium	IS 8811: 1998	0.010 % to 0.100 %
2	CHEMICAL- METALS & ALLOYS	Alloy Steel	Aluminium	ASTM E415: 2017	0.010 % to 0.090 %
3	CHEMICAL- METALS & ALLOYS	Alloy steel	Carbon	IS 8811: 1998	0.015 % to 1.50 %
4	CHEMICAL- METALS & ALLOYS	Alloy Steel	Carbon	ASTM E415: 2017	0.020 % to 1.10 %
5	CHEMICAL- METALS & ALLOYS	Alloy steel	Chromium	IS 8811: 1998	0.050 % to 3.00 %
6	CHEMICAL- METALS & ALLOYS	Alloy Steel	Chromium	ASTM E415: 2017	0.050 % to 3.00 %
7	CHEMICAL- METALS & ALLOYS	Alloy Steel	Cobalt	ASTM E415: 2017	0.006 % to 0.030 %
8	CHEMICAL- METALS & ALLOYS	Alloy steel	Copper	IS 8811: 1998	0.010 % to 0.500 %
9	CHEMICAL- METALS & ALLOYS	Alloy Steel	Copper	ASTM E415: 2017	0.010 % to 0.500 %
10	CHEMICAL- METALS & ALLOYS	Alloy Steel	Manganese	ASTM E415: 2017	0.030 % to 2.00 %
11	CHEMICAL- METALS & ALLOYS	Alloy steel	Manganese	IS 8811: 1998	0.030 % to 2.00 %
12	CHEMICAL- METALS & ALLOYS	Alloy steel	Molybdenum	IS 8811: 1998	0.010 % to 1.00 %
13	CHEMICAL- METALS & ALLOYS	Alloy Steel	Molybdenum	ASTM E415: 2017	0.007 % to 1.00 %



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
14	CHEMICAL- METALS & ALLOYS	Alloy steel	Nickel	IS 8811: 1998	0.050 % to 5.00 %
15	CHEMICAL- METALS & ALLOYS	Alloy Steel	Nickel	ASTM E415: 2017	0.020 % to 5.00 %
16	CHEMICAL- METALS & ALLOYS	Alloy steel	Phosphorus	IS 8811: 1998	0.004 % to 0.080 %
17	CHEMICAL- METALS & ALLOYS	Alloy Steel	Phosphorus	ASTM E415: 2017	0.004 % to 0.080 %
18	CHEMICAL- METALS & ALLOYS	Alloy Steel	Silicon	ASTM E415: 2017	0.020 % to 1.50 %
19	CHEMICAL- METALS & ALLOYS	Alloy steel	Silicon	IS 8811: 1998	0.050 % to 1.70 %
20	CHEMICAL- METALS & ALLOYS	Alloy steel	Sulphur	IS 8811: 1998	0.002 % to 0.080 %
21	CHEMICAL- METALS & ALLOYS	Alloy Steel	Sulphur	ASTM E415: 2017	0.002 % to 0.055 %
22	CHEMICAL- METALS & ALLOYS	Alloy steel	Vanadium	IS 8811: 1998	0.005% % to 0.500 %
23	CHEMICAL- METALS & ALLOYS	Alloy Steel	Vanadium	ASTM E415: 2017	0.005 % to 0.300 %
24	CHEMICAL- METALS & ALLOYS	Aluminium and its alloys	Chromium	ASTM E1251: 2017	0.005 % to 0.230 %
25	CHEMICAL- METALS & ALLOYS	Aluminium and its alloys	Copper	ASTM E1251: 2017	0.020 % to 5.00 %
26	CHEMICAL- METALS & ALLOYS	Aluminium and its alloys	Iron	ASTM E1251: 2017	0.100 % to 1.500 %
27	CHEMICAL- METALS & ALLOYS	Aluminium and its alloys	Lead	ASTM E1251: 2017	0.040 % to 0.300 %

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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
28	CHEMICAL- METALS & ALLOYS	Aluminium and its alloys	Magnesium	ASTM E1251: 2017	0.030 % to 1.50 %
29	CHEMICAL- METALS & ALLOYS	Aluminium and its alloys	Manganese	ASTM E 1251: 2017	0.010 % to 1.00 %
30	CHEMICAL- METALS & ALLOYS	Aluminium and its alloys	Nickel	ASTM E1251: 2017	0.010 % to 0.650 %
31	CHEMICAL- METALS & ALLOYS	Aluminium and its Alloys	Silicon	ASTM E1251: 2017	1.00 % to 13.00 %
32	CHEMICAL- METALS & ALLOYS	Aluminium and its alloys	Tin	ASTM E1251: 2017	0.030 % to 0.200 %
33	CHEMICAL- METALS & ALLOYS	Aluminium and its alloys	Titanium	ASTM E1251: 2017	0.010 % to 0.120 %
34	CHEMICAL- METALS & ALLOYS	Aluminium and its alloys	Zinc	ASTM E1251: 2017	0.010 % to 3.60 %
35	CHEMICAL- METALS & ALLOYS	carbon steel	carbon	ASTM E415: 2017	0.015 % to 1.10 %
36	CHEMICAL- METALS & ALLOYS	Carbon Steel	Manganese	ASTM E415: 2017	0.030 % to 2.00 %
37	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorus	ASTM E415: 2017	0.008 % to 0.080 %
38	CHEMICAL- METALS & ALLOYS	Carbon Steel	Silicon	ASTM E415: 2017	0.050 % to 1.50 %
39	CHEMICAL- METALS & ALLOYS	Carbon Steel	Sulphur	ASTM E415: 2017	0.008 % to 0.055 %
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999: 2018	2.00 % to 3.80 %
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999: 2018	0.01 % to 2.00 %

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42	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999: 2018	0.015 % to 0.500 %
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999: 2018	0.060 % to 1.80 %
44	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E1999: 2018	0.010 % to 0.500 %
45	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999: 2018	0.030 % to 2.00 %
46	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999: 2018	0.005 % to 0.400 %
47	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999: 2018	0.300 % to 2.70 %
48	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999: 2018	0.003 % to 0.080 %
49	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E1999: 2018	0.003 % to 0.120 %
50	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	ASTM E1999: 2018	0.008 % to 0.150 %
51	CHEMICAL- METALS & ALLOYS	Copper and its alloys	Aluminium	BSEN 15079: 2015	0.010 % to 12.0 %
52	CHEMICAL- METALS & ALLOYS	Copper and its alloys	Antimony	BSEN 15079: 2015	0.100 % to 0.700 %
53	CHEMICAL- METALS & ALLOYS	Copper and its alloys	Iron	BSEN 15079: 2015	0.005 % to 6.00 %
54	CHEMICAL- METALS & ALLOYS	Copper and its alloys	Lead	BSEN 15079: 2015	0.050 % to 10.00 %
55	CHEMICAL- METALS & ALLOYS	Copper and its alloys	Manganese	BSEN 15079: 2015	0.010 % to 2.00 %

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56	CHEMICAL- METALS & ALLOYS	Copper and its alloys	Nickel	BSEN 15079: 2015	0.010 % to 6.00 %
57	CHEMICAL- METALS & ALLOYS	Copper and its alloys	Phosphorus	BSEN 15079: 2015	0.005 % to 1.00 %
58	CHEMICAL- METALS & ALLOYS	Copper and its alloys	Tin	BSEN 15079: 2015	0.030 % to 15.00 %
59	CHEMICAL- METALS & ALLOYS	Copper and its alloys	Zinc	BSEN 15079: 2015	0.006 % to 40.0 %
60	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086: 2014	0.010 % to 0.250 %
61	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879: 1998	0.010 % to 0.250 %
62	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086: 2014	16.0 % to 25.0 %
63	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879: 1998	5.00 % to 20.0 %
64	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879: 1998	0.020 % to 0.300 %
65	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086: 2014	0.020 % to 0.300 %
66	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879: 1998	0.200 % to 1.50 %
67	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086: 2014	0.200 % to 1.50 %
68	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086: 2014	0.100 % to 3.00 %
69	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879: 1998	0.100 % to 3.00 %

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70	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879: 1998	7.00 % to 20.0 %
71	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086: 2014	7.50 % to 13.0 %
72	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086: 2014	0.008 % to 0.045 %
73	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879: 1998	0.008 % to 0.045 %
74	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879: 1998	0.100 % to 1.20 %
75	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086: 2014	0.050 % to 0.900 %
76	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879: 1998	0.006 % to 0.045 %
77	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086: 2014	0.006 % to 0.045 %
78	MECHANICAL- METALLOGRAPHY TEST	Carbon and Alloy Steel	Micro examination	ASM METALS HAND BOOK VOL-09: 2004	Qualitative(Micro examination and Matrix analysis)
79	MECHANICAL- METALLOGRAPHY TEST	Carbon and alloys steel	Grain size measurement	ASTM E112: 2013	Qualitative(Grain size measurement by line-intercept Method and Comparison Method.)



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80	MECHANICAL-METALLOGRAPHY TEST	Grey cast iron and SG iron products	Microexamination	ASM METALS HAND BOOK VOL-09 & I SO 945-1: 2004 & 2017	Qualitative(Micro examination , Graphite Flakes,Nodules Type and size,Distribution characteristics and matrix analysis./100xMagnification)