National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SUEERAA ALLOYS GLOBAL PVT. LTD.- LABORATORY, 315/2, KANDAMPALAYAM, SEMBIYANALLUR VILLAGE, TIRUPUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	ALUMINIUM	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	ALUMINIUM	IS 8811
3	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	CARBON	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	CHROMIUM	ASTM E415
5	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	CHROMIUM	IS 8811
6	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	COPPER	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	COPPER	IS 8811
8	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	MANGANESE	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	MANGANESE	IS 8811
10	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	MOLYBDENUM	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	MOLYBDENUM	IS 8811
12	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	NICKEL	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	NICKEL	IS 8811
14	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	NIOBIUM	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	PHOSPHORUS	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	PHOSPHORUS	IS 8811
17	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	SILICON	AST E415
18	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	SILICON	IS 8811

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19	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	SULPHUR	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	SULPHUR	IS 8811
21	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	TITANIUM	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	VANADIUM	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon & Alloy Steel Castings)	VANADIUM	IS 8811
24	CHEMICAL- METALS & ALLOYS	Ferrous Metal & Alloys (Carbon Steel Castings)	CARBON	IS 8811
25	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	CARBON	ASTM E1086
26	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	CARBON	IS 9879
27	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	CHROMIUM	ASTM E1086
28	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	CHROMIUM	IS 9879
29	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	CHROMIUM	JIS G1253
30	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	COPPER	ASTM E1086
31	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	COPPER	IS 9879
32	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	COPPER	JIS G1253
33	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	MANGANESE	ASTM E1086
34	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	MANGANESE	IS 9879
35	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	MOLYBDENUM	ASTM E1086
36	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	MOLYBDENUM	IS 9879
37	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	MOLYBDENUM	JIS G1253

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38	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	NICKEL	ASTM E1086
39	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	NICKEL	IS 9879
40	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	NIOBIUM	JIS G1253
41	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	NITROGEN	IS 228 Part 23
42	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	PHOSPHORUS	ASTM E1086
43	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	PHOSPHORUS	IS 9879
44	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	SILICON	ASTM E1086
45	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	SILICON	IS 9879
46	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	SULPHUR	ASTM E1086
47	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	SULPHUR	IS 9879
48	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	TUNGSTEN	JIS G1253
49	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys (Austenitic, Duplex Stainless Steel)	VANADIUM	JIS G1253
50	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Nickel & Nickel Alloy Castings	Brinell Hardness Test (HBW 10/3000)	ASTM E10
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Nickel & Nickel Alloy Castings	Charpy Impact Test (V- Notch) from Room Temperature to -196°C	ASTM E23
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Nickel & Nickel Alloy Castings	Elongation %	ASTM E8/E8M
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Nickel & Nickel Alloy Castings	Tensile Strength	ASTM E8/E8M
54	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Nickel & Nickel Alloy Castings	Yield Strength (0.2% Offset)	ASTM E8/E8M

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55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	% Elongation (After Fracture)	ISO 6892-1
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	% Reduction of area	ISO 6892-1
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	0.2% Proof Strength	ISO 6892-1
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	1.0% Proof Strength	ISO 6892-1
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Bend Test	ASTM A370
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Brinell Hardness Test (HBW 10/3000)	ASTM E10
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Brinell Hardness Test (HBW 10/3000)	ISO 6506-1
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Charpy Impact Test (V- Notch) from Room Temperature to -196°C	ASTM E23
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Charpy Impact Test (V- Notch) from Room Temperature to -196°C	ISO 148-1
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Elongation %	ASTM A370
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Elongation %	ASTM E8/E8M
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Reduction of area in %	ASTM A370
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Reduction of area in %	ASTM E8/E8M
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Tensile Strength	ASTM A370

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69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Tensile Strength	ASTM E8/E8M
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Tensile Strength	ISO 6892-1
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Yield Strength (0.2% Offset)	ASTM A370
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Yield Strength (0.2% offset)	ASTM E8/E8M
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Yield Strength at Elevated Temperature (50°C to 200°C)	ASTM E21
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Yield Strength at Elevated Temperature (50°C to 200°C)	ISO 6892-2
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Bend Test (Root, Face & Side Bend)	ASME SEC IX (QW-160)
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Charpy Impact Test (V- Notch) from Room Temperature to -196°C	ASTM E23
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Tensile Stregth	ASME SEC IX (QW-150)
78	MECHANICAL-METALLOGRAPHY TEST	Steel Casting (Austenitic Stainless Steel)	IGC Practice-A	ASTM A262
79	MECHANICAL-METALLOGRAPHY TEST	Steel Castings (Austenitic Stainless Steel & Duplex Stainless Steel)	Detrimental Intermetallic Phases - Method A	ASTM A923
80	MECHANICAL-METALLOGRAPHY TEST	Steel Castings (Austenitic Stainless Steel)	IGC Method A	ISO 3651-2
81	MECHANICAL-METALLOGRAPHY TEST	Steel Castings (Austenitic Stainless Steel)	IGC Pactice E	ASTM A262
82	MECHANICAL-METALLOGRAPHY TEST	Steel Castings (Austenitic Stainless Steel)	IGC Practice-B	ASTM A262
83	MECHANICAL-METALLOGRAPHY TEST	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Average Grain Size (Comparison Method)	ASTM E112

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84	MECHANICAL-METALLOGRAPHY TEST	Steel Castings (Carbon, Low Alloy, Stainless & Duplex Stainless Steels)	Microexamination	ASM Metal Hand Book Vol.9
85	MECHANICAL-METALLOGRAPHY TEST	Steel Castings (Duplex Stainless Steel)	Ferric Chloride Pitting Test - Method A	ASTM G48
86	MECHANICAL-METALLOGRAPHY TEST	Steel Castings (Duplex Stainless Steels)	Volume Fraction (Systematic manual point count)	ASTM E562