National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : KOSO INDIA PRIVATE LIMITED, 1/80, TELUNGUPALAYAM ROAD, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5562 **Page No** 1 of 4

Validity 28/06/2021 to 27/06/2023 **Last Amended on** 12/07/2021

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- CORROSION TESTS	Duplex stainless steel	Pitting corrosion test	Method C of ASTM A923
2	CHEMICAL- CORROSION TESTS	Ferrous/Non ferrous materials / Alloys & products	Pitting corrosion Test	ASTM G48 Method A
3	CHEMICAL- METALS & ALLOYS	Carbon steel	Aluminium	ASTM E415-17 /IS 8811
4	CHEMICAL- METALS & ALLOYS	Carbon Steel	Carbon	ASTM E415-17 / IS 8811
5	CHEMICAL- METALS & ALLOYS	Carbon steel	Chromium	ASTM E415-17 / IS 8811
6	CHEMICAL- METALS & ALLOYS	Carbon steel	Copper	ASTM E415-17/ IS 8811
7	CHEMICAL- METALS & ALLOYS	Carbon steel	Manganese	ASTM E415 -17/ IS 8811
8	CHEMICAL- METALS & ALLOYS	Carbon steel	Molybdenum	ASTM E415 -17/ IS 8811
9	CHEMICAL- METALS & ALLOYS	Carbon Steel	Nickel	ASTM E415-17 / IS 8811
10	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorus	ASTM E415 -17/ IS 8811
11	CHEMICAL- METALS & ALLOYS	Carbon steel	Silicon	ASTM E415 -17/ IS 8811
12	CHEMICAL- METALS & ALLOYS	Carbon Steel	Sulphur	ASTM E415 -17/ IS 8811
13	CHEMICAL- METALS & ALLOYS	Carbon Steel	Sulphur	ASTM E415 / IS 8811
14	CHEMICAL- METALS & ALLOYS	Carbon steel	Vanadium	ASTM E415-17 / IS 8811
15	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Carbon	ASTM E3047
16	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Chromium	ASTM E3047
17	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Copper	ASTM E3047
18	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Iron	ASTM E3047

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19	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Manganese	ASTM E3047
20	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Molybdenum	ASTM E3047
21	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Niobium	ASTM E3047
22	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Phosphorus	ASTM E3047
23	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Silicon	ASTM E3047
24	CHEMICAL- METALS & ALLOYS	Nickel based alloy	Sulphur	ASTM E3047
25	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E1086/ IS 9879
26	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E1086 / IS 9879
27	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	ASTM E1086 / IS 9879
28	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E1086 / IS 9879
29	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E1086 / IS 9879
30	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E1086 / IS 9879
31	CHEMICAL- METALS & ALLOYS	Stainless steel	Nitrogen	IS 228 Part-23
32	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus	ASTM E1086 / IS 9879
33	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E1086 / IS 9879
34	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E1086 / IS 9879
35	CHEMICAL- METALS & ALLOYS	Stainless steel	Tungsten	JIS G 1253
36	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Duplex stainless steel	Charpy Impact test	Method B of ASTM A923

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37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Nickel based alloy castings	Brinell Hardness Test(10mm / 3000kg)	ASTM E10 / ISO 6506-1
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Nickel based alloy castings	Charpy Impact Test	ASTM E23
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Nickel based alloy castings	Charpy Impact test	ISO 148 Part 1
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Nickel based alloy castings	Rockwell hardness (HRBW)	ASTM E18/ISO 6508-1
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Nickel based alloy castings	Rockwell hardness (HRC)	ASTM E18/ISO 6508-1
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Nickel based alloy castings	Tensile test: Elongation (%)	ASTM A370/ISO 6892-1
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Nickel based alloy castings	Tensile test: Reduction area (%)	ASTM A370/ISO 6892-1
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Nickel based alloy castings	Tensile test: Tensile strength	ASTM A370/ISO 6892-1
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Nickel based alloy castings	Tensile test: Yield strength at 0.2% Proof stress	ASTM A370/ISO 6892-1
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Nickel based alloy castings	Tensile test: Yield strength at 1% Proof Stress	ASTM A370/ISO 6892-1
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Nickel based alloy castings	Vickers hardness test	ASTM E92/ISO 6507-1
48	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	IGC test	ASTM A262 Practice B
49	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	IGC test	ASTM A262 Practice C
50	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	IGC test	ASTM A262 Practice E
51	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	IGC test	ISO 3651 Part 2

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52	MECHANICAL-METALLOGRAPHY TEST	Ferrous / Non ferrous and its alloys	Macro Examination	ASTM E340
53	MECHANICAL-METALLOGRAPHY TEST	Nickel based alloy	IGC test	ASTM G28 Practice A
54	MECHANICAL-METALLOGRAPHY TEST	Stainless steel	Ferrite content test	ASTM E 562
55	MECHANICAL-METALLOGRAPHY TEST	Steel & Its alloys	Average Grain Size	ASTM E112
56	MECHANICAL-METALLOGRAPHY TEST	Steel & Nickel based alloy castings	Micro structure Analysis	ASM Handbook Vol. 9 /ASTM A923 Method-A