National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RIETER INDIA PRIVATE LIMITED (DEPARTMENT - ANALYTICS MATERIAL TECHNOLOGY), GAT NO 768/2, VILLAGE WING, SHINDEWADI-BHOR ROAD, SATARA, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9002 **Page No** 1 of 3

Validity 18/09/2022 to 17/09/2024 **Last Amended on** 11/01/2023

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	Coated Products / Panels / Raw Materials	Salt Spray test	ASTM B 117
2	CHEMICAL- CORROSION TESTS	Coated Products / Panels / Raw Materials	Salt Spray Test	ISO 9227
3	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium	IS 8811
4	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 8811
5	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 8811
6	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	IS 8811
7	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 8811
8	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	IS 8811
9	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS 8811
10	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	IS 8811
11	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 8811
12	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	IS 8811
13	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals and Alloys	Micro Vickers Hardness Test (Scale: HV0.3)	IS 1501-1
14	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals and Alloys	Micro Vickers Hardness Test (Scale: HV1)	IS 1501-1
15	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals and Alloys	Rockwell Hardness Test (Scale: HRA)	IS 1586 (Part 1)
16	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals and Alloys	Rockwell Hardness Test (Scale: HRBW)	IS 1586 (Part 1)

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17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals and Alloys	Rockwell Hardness Test (Scale: HRC)	IS 1586 (Part 1)
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Elongation	ISO 6892-1
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	ISO 6892-1
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test 10/3000 kgf	IS 1500 (Part 1)
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Effective Case Depth Measurement by hardness traverse method at HV1 scale.	IS 6416
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	ISO 6892-1
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Metal & Alloys	% Elongation	ISO 6892-1
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Metal & Alloys	0.2% Proof Stress	ISO 6892-1
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Metal & Alloys	Brinell Hardness Test 5/750 kgf	IS 1500 (Part 1)
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Metal & Alloys	Ultimate Tensile Strength	ISO 6892-1
27	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals and Alloys	Microstructure examination at 50X to 1000X Magnification	ASM Handbook volume 9
28	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Depth of Decarburized layer by Microscopic method	BS EN ISO 3887
29	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Microstructure examination at 50X to 1000X Magnification	Metals Handbook Vol. 7 Atlas Book of Microstructure of Industrial alloys 8th Edition
30	MECHANICAL-METALLOGRAPHY TEST	Metals & Alloys (Material of Substrate is Ferrous and material of coating is Non ferrous)	Measurement of coating thickness –Microscopical method	ISO 1463

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31	MECHANICAL-METALLOGRAPHY TEST	Metals and Alloys	Average Grain Size	ASTM 112