National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : DEFENCE METALLURGICAL RESEARCH LABORATORY, DRDO, MINISTRY OF DEFENCE, P.O. KANCHAN BAGH, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8895 **Page No** 1 of 3

Validity 02/07/2022 to 01/07/2024 **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- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Chromium	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Magnesium	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Manganese	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Nickel	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Silicon	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Titanium	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Zinc	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Zirconium	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Carbon and Low alloy Steel	Niobium	ASTM E-415
12	CHEMICAL- METALS & ALLOYS	Carbon and Low alloy Steel	Titanium	ASTM E-415
13	CHEMICAL- METALS & ALLOYS	Carbon and Low-alloy steel	Aluminium	ASTM E-415
14	CHEMICAL- METALS & ALLOYS	Carbon and Low-alloy steel	Carbon	ASTM E-415
15	CHEMICAL- METALS & ALLOYS	Carbon and Low-alloy steel	Chromium	ASTM E-415
16	CHEMICAL- METALS & ALLOYS	Carbon and Low-alloy steel	Cobalt	ASTM E-415
17	CHEMICAL- METALS & ALLOYS	Carbon and Low-alloy steel	Copper	ASTM E-415
18	CHEMICAL- METALS & ALLOYS	Carbon and Low-alloy steel	Manganese	ASTM E-415

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19	CHEMICAL- METALS & ALLOYS	Carbon and Low-alloy steel	Molybdenum	ASTM E-415
20	CHEMICAL- METALS & ALLOYS	Carbon and Low-alloy steel	Nickel	ASTM E-415
21	CHEMICAL- METALS & ALLOYS	Carbon and Low-alloy steel	Phosphorous	ASTM E-415
22	CHEMICAL- METALS & ALLOYS	Carbon and Low-alloy steel	Silicon	ASTM E-415
23	CHEMICAL- METALS & ALLOYS	Carbon and Low-alloy steel	Vanadium	ASTM E-415
24	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Carbon	ASTM E3047
25	CHEMICAL- METALS & ALLOYS	Nickel and its alloy	Aluminium	ASTM E3047
26	CHEMICAL- METALS & ALLOYS	Nickel and its alloy	Boron	ASTM E3047
27	CHEMICAL- METALS & ALLOYS	Nickel and its alloy	Chromium	ASTM E3047
28	CHEMICAL- METALS & ALLOYS	Nickel and its alloy	Cobalt	ASTM E3047
29	CHEMICAL- METALS & ALLOYS	Nickel and its alloy	Manganese	ASTM E3047
30	CHEMICAL- METALS & ALLOYS	Nickel and its alloy	Molybdenum	ASTM E3047
31	CHEMICAL- METALS & ALLOYS	Nickel and its alloy	Niobium	ASTM E3047
32	CHEMICAL- METALS & ALLOYS	Nickel and its alloy	Silicon	ASTM E3047
33	CHEMICAL- METALS & ALLOYS	Nickel and its alloy	Titanium	ASTM E3047
34	CHEMICAL- METALS & ALLOYS	Nickel and its alloy	Vanadium	ASTM E 3047
35	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
36	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E1086
37	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E1086

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38	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E1086
39	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	ASTM E1086
40	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	ASTM E8 /E8M
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact Test (V Notch) (at room temperature)	ASTM E23
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Low Cycle Fatigue (LCF)	ASTM E606
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, alloys & products	Plane Strain Fracture Toughness (K1c)	ASTM E399
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength@ Room Temp	ASTM E8/8M
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength	ASTM E8/8M
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous material, alloys & products	Rupture Time	ASTM E139-11
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	% Elongation	ASTM E139-11
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	% Reduction in Area	ASTM E139-11
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Minimum Creep Rate	ASTM E139-11
51	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Microstructural analysis	ASM Handbook Vol 9
52	MECHANICAL-METALLOGRAPHY TEST	Non-Ferrous metals, alloys & products	Microstructural analysis	ASM Handbook Vol 9