National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL & PHYSICAL TESTING LABORATORY, ELECTROTHERM (INDIA) LTD., SURVEY NO. 325, NH 8A, SAMAKHIYALI, TA: BHACHAU, BHACHAU, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6082 **Page No** 1 of 3

Validity 04/09/2022 to 03/09/2024 **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	Ferro Chrome	Chromium	IS 1559
2	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Manganese	IS 1559
3	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Carbon	IS 1559
4	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Silicon	IS 1559
5	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel, Low Alloy Steel	Aluminum	ASTM-E 415
6	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel, Low Alloy Steel	Carbon	ASTM-E 415
7	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel, Low Alloy Steel	Chromium	ASTM-E 415
8	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel, Low Alloy Steel	Copper	ASTM-E 415
9	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel, low Alloy Steel	Manganese	ASTM-E 415
10	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel, Low Alloy Steel	Molybdenum	ASTM-E 415
11	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel, Low Alloy Steel	Nickel	ASTM-E 415
12	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel, Low Alloy Steel	Phosphorus	ASTM-E 415
13	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel, Low Alloy Steel	Silicon	ASTM-E 415
14	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel, Low Alloy Steel	Sulfur	ASTM-E 415
15	CHEMICAL- METALS & ALLOYS	Silicon Manganese	Carbon	IS 1559
16	CHEMICAL- METALS & ALLOYS	Silicon Manganese	Manganese	IS 1559
17	CHEMICAL- METALS & ALLOYS	Silicon Manganese	Silicon	IS 1559
18	CHEMICAL- METALS & ALLOYS	Sponge Iron (DRI)	Metallic Iron	IS 15774

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19	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
20	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
21	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
22	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
23	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
24	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
25	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS 9879
26	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	IS 9879
27	CHEMICAL- ORES & MINERALS	Dolomite	Calcium Oxide	IS 1760 (Part 3)
28	CHEMICAL- ORES & MINERALS	Dolomite	Loss of Ignition	IS 1760 (Part 1)
29	CHEMICAL- ORES & MINERALS	Dolomite	Magnesium Oxide	IS 1760 (Part 3)
30	CHEMICAL- ORES & MINERALS	Dolomite	Silica	IS 1760 (Part 2)
31	CHEMICAL- ORES & MINERALS	Iron Ore	Iron	IS 1493 (Part 1),cl 8.5 stannous chloride method
32	CHEMICAL- ORES & MINERALS	Lime Stone	Calcium Oxide	IS 1760 (Part 3)
33	CHEMICAL- ORES & MINERALS	Lime Stone	Loss of Ignition	IS 1760 (Part 1)
34	CHEMICAL- ORES & MINERALS	Lime Stone	Magnesium Oxide	IS 1760 (Part 3)
35	CHEMICAL- ORES & MINERALS	Lime Stone	Silica	IS 1760 (Part 2)
36	CHEMICAL- SOLID FUELS	Coal	Ash	IS 1350 (Part 1)
37	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	IS 1350 (Part1)
38	CHEMICAL- SOLID FUELS	Coal	Moisture	IS 1350 (Part 1)

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39	CHEMICAL- SOLID FUELS	Coal	Total Moisture	IS 1350 (Part 1)
40	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	IS 1350 (Part 1)
41	CHEMICAL- SOLID FUELS	Coke	Ash	IS 1350 (Part 1)
42	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	IS 1350 (Part1)
43	CHEMICAL- SOLID FUELS	Coke	Moisture	IS 1350 (Part 1)
44	CHEMICAL- SOLID FUELS	Coke	Total Moisture	IS 1350 (Part 1)
45	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	IS 1350 (Part 1)
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel bar	%Elongation	IS 1608 - Part 1
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel Bar	Bend Test	IS 1599-2012
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel Bar	Re-Bend	IS 1786
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced steel bar	Tensile Strength	IS 1608 - Part 1
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	reinforced steel Bars	Proof Stress	IS 1608 - Part 1
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Steel Bars	Yield Stress	IS 1608 - Part 1