National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	SNAM ALLOYS PVT. LTD, R&D CENTRE, 138, SIPCOT INDUSTRIAL COMPLEX, HOSUR, KRISHNAGIRI, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6186	**Page No**	1 of 3
Validity	11/10/2022 to 10/10/2024	**Last Amended on**	21/10/2022

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	Cast Iron	Carbon	ASTM E 1019
2	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E 1999
3	CHEMICAL- METALS & ALLOYS	Cast iron	Chromium	ASTM E 1999
4	CHEMICAL- METALS & ALLOYS	Cast iron	Copper	ASTM E 1999
5	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium	ASTM E 1999
6	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E 1999
7	CHEMICAL- METALS & ALLOYS	Cast iron	Molybdenum	ASTM E1999
8	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999
9	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E 1999
10	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E 1999
11	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	ASTM E 1019
12	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	ASTM E 1999
13	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E 1999
14	CHEMICAL- METALS & ALLOYS	Ferro Silicon (Inoculants) & Ferro Silicon Magnesium	Manganese	SAPLRD-LAB-ICP-04: issue 1
15	CHEMICAL- METALS & ALLOYS	Ferro Silicon (Inoculants) & Ferro Silicon Magnesium	Manganese	IS 1559 (PART 7)
16	CHEMICAL- METALS & ALLOYS	Ferro Silicon Magnesium	Calcium	IS 14529
17	CHEMICAL- METALS & ALLOYS	Ferro Silicon Magnesium	Calcium	SAPLRD-LAB-ICP-04: Issue 1
18	CHEMICAL- METALS & ALLOYS	Ferro Silicon Magnesium	Magnesium	IS 14529

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19	CHEMICAL- METALS & ALLOYS	Ferro Silicon Magnesium	Magnesium	SAPLRD-LAB-ICP-04: issue 1
20	CHEMICAL- METALS & ALLOYS	Ferro Silicon(Inoculants) & Ferro Silicon Magnesium	Silicon	IS 1559 (Part 1)
21	CHEMICAL- METALS & ALLOYS	Ferrosilicon	Aluminum	IS 1559: Part 5
22	CHEMICAL- METALS & ALLOYS	FeSi	Phosphorus	IS 1559
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron, steel	Elongation	ASTM-E8/E8M-21
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron, steel	Tensile strength	ASTM -E8/E8M-21
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron, steel	Yield strength by offset method (0.2% proof stress)	ASTM-E8/E8M-21
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron,Steel	Brinells hardness test (10mm/ 3000kgf)	IS 1500 (PART 1):
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron,Steel	Vickers hardness test(HV10)	IS-1501(Part-1)
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron,Steel	Vickers hardness test(HV30)	IS-1501(PART 1)
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron,Steel	Vickers hardness test(HV5)	ISO -1501(PART 1)
30	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Identification of elements using Energy-dispersive Spectroscopy (EDS) analysis	ASTM E1508
31	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Microstructure analysis using optical microscope	ASM Metals Handbook Vol.9
32	MECHANICAL-METALLOGRAPHY TEST	Cast Iron,Steel	Microstructure Analysis using Scanning Electron Microscope (SEM)	ASM Metals Hand Book Vol.12 Fractrography
33	MECHANICAL-METALLOGRAPHY TEST	Ductile Iron	Nodularity rating Pearlite rating Carbide rating Nodule count	ASTM A247

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34	MECHANICAL-METALLOGRAPHY TEST	Grey cast iron	Graphite flake type	ASTM A 247