National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GTN ENGINEERING INDIA LIMITED, 2/439, KSN PURAM ROAD, SEMMIPALAYAM, PALLADAM, TIRUPUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 12/05/2022 to 11/05/2024 **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	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	Impact Test - Charpy 'V' notch	ASTM E 370
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	% Elongation	ASTM A370
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	% Elongation	IS 1608
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	% Reduction Area	IS 1608
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	0.2% Proof Stress	ASTM A370
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	0.2% Proof Stress	IS 1608
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	Brinell Hardness Test	IS 1500(Part-1)
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	Impact Test - Charpy 'V' notch	ASTM E23
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	Micro Vickers Hardness Test	IS 1501
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	Micro Vickers Hardness Test	IS 1501
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	Rockwell Hardness Test(HRA)	ASTM E 18
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	Rockwell Hardness Test(HRA)	IS 1586(Part-1)
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	Rockwell Hardness Test(HRB)	IS 1586 (Part-1)

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14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	Rockwell Hardness Test(HRC)	IS 1586 (Part -1)
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	Tensile Strength	IS 1608
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	Tensile Strength	ASTM A370
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	Yield Stress	ASTM A370
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys (Steel,Stainless Steel & Aluminum Alloys)	Yield Stress	IS 1608
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys(Steel,Stainless Steel & Aluminum Alloys)	% Reduction Area	ASTM A370
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys(Steel,Stainless Steel & Aluminum Alloys)	Brinell Hardness Test	ASTM E 10
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys(Steel,Stainless Steel & Aluminum Alloys)	Brinell Hardness Test - Portable	ASTM E 110
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys(Steel,Stainless Steel & Aluminum Alloys)	Impact Test - Charpy 'V' notch	ISO 148 (Part-1)
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys(Steel,Stainless Steel & Aluminum Alloys)	Micro Vickers Hardness Test	ASTM E 384
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys(Steel,Stainless Steel & Aluminum Alloys)	Micro Vickers Hardness Test	ASTM E 384
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys(Steel,Stainless Steel & Aluminum Alloys)	Rockwell Hardness Test(HRB)	ASTM E 18
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non -Ferrous Alloys(Steel,Stainless Steel & Aluminum Alloys)	Rockwell Hardness Test(HRC)	ASTM E 18
27	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Alloys - Forging , casting Rolled products of Ferrous Alloys,	Fluorescent, non fluorescent , wet -dry Coil, Central conductor & Prod techniques	ASTM E - 709

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28	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Alloys - Forging of Ferrous Alloys,Nickel based alloys & Rolled products	Liquid penetrant testing (Fluorescent & Visible - Solvent removable & Water Washable)	ASTM E-1417
29	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Alloys - Forging, casting and rolled products of Ferrous Alloys,Nickel based alloys	Fluorescent & Visible - Solvent removable & Water Washable techniques	ASTM E - 165/E 165M
30	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Alloys, Forging of Ferrous Alloys	Pulse echo contact testing technique	ASTM A388/A388M