

A Material Testing Lab

Elmech Labs Pvt. Ltd.

Proficiency in Accuracy

Contact Person

Amit Kumar Singh

Technical Manager

Mob No. 08896767002



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DIRECTOR'S MESSAGE:

We are pleased to inform you that now you may get better testing services with high range of accuracy at very effective price.

“Elmech Labs Pvt. Ltd.” is an NABL accredited testing laboratory situated in A-37, Secor-63, Noida.

ELMECH LABS PVT LTD was established in 22nd Dec, 2015.

The mission of ELMECH LABS PVT LTD is to provide the highest level of Metal testing services as per the client's requirements in accordance with the governing standards of the industry and ISO/IEC 17025. It is our commitment to maintain professional laboratory practice and provide testing services in a timely and cost-effective manner to build long-term relations with our clients.

Our 2nd NABL Audit has been conducted in October-2021 and we are lucky to enhance our testing scope as per our client's requirements.

We are very much thankful to our customers for supporting us constantly.

Thank you so much.

Umesh Kumar
Director

COMPANY DETAILS

CIN Number

Our CIN Number is U74900DL2015PTC288823.

PAN Number

Our PAN Number is AAECE1460B.

GST Number

Our GST Number is 09AAECE1460B1Z4.

Udyog Aadhaar Number

Our Udyog Aadhaar Number is UP28E0006964.

Certificate of Accreditation ISO/IEC 17025

Our Certificate Number is TC-7980.

Certificate of Accreditation ISO 9001-2015

Our Certificate Number is EI-2007030

OUR TEAM

- Mr. Umesh Kumar –Managing Director
- Mr. Amit Kumar Singh – Quality & Technical Manager
- Mr. Vishnu Pratap Singh –Deputy Technical Manager
- Mr. Ashok Kumar –Deputy Quality Manager/ Metallurgist
- Mr. Pramod Chauhan–Accounts and admin
- Mrs. Arti Singh - Front office work
- Mr. Mahipal –Testing Engineer
- Mr. Manoj – Marketing Head
- Mr. Aman – Technical Assistant

WHY WORK WITH US

Accreditation: Our Laboratory is accredited by NABL for Mechanical and Chemical testing. NABL certificate is attached in this profile. We are also certified by ISO 9001.

Machinery: Elmech Labs possess the latest version of equipment which is automatic, accurate, precise and less time consuming.

Accuracy: Elmech Labs is committed to provide the results with highest level of accuracy with the help of advanced machines and highly skilled manpower.

Repeatability: The repeatability of our equipment is very good. We always maintain it with the help of CRMs, Test blocks and regular calibration of equipment.

On Time Delivery: We always try to complete a work in minimum possible time. We understand the value of time of our clients.

Confidentiality: We are committed to maintaining confidentiality in our lab. We try our best to avoid any type of data leak and manipulation in the job.

Efficient Team: Elmech Labs has an efficient team of people who perform their job efficiently. They are highly educated and trained for their jobs.

Cost effective: Testing charges of our Lab is very affordable with compare to other labs for the same type of Testing.

Pickup and Delivery: We provide facilities to pick up the samples and delivery of reports.

QUALITY POLICY

“THE MANAGEMENT OF ELMECH LABS PRIVATE LIMITED IS COMMITTED TO IMPARTIALITY, CONFIDENTIALITY AND CONSISTENCY ALONG WITH TECHNICAL COMPETENCE IN THE OPERATION OF THE LABORATORY.

ELMECH LABS IS COMMITTED TO PROVIDE TESTING SERVICES TO CONSISTENTLY MEET THE REQUIREMENTS OF NATIONAL / INTERNATIONAL STANDARDS, CONTINUALLY IMPROVE THE EFFECTIVENESS OF THE MANAGEMENT SYSTEM, CUSTOMERS REQUIREMENTS AND THE MANAGEMENT SYSTEM REQUIREMENTS COMPLYING WITH IS/ISO/IEC 17025 : 2017 STANDARD.

ALL PERSONNEL CONCERNED WITH TESTING ACTIVITIES OF THE LABORATORY WOULD FAMILIARIZE THEMSELVES WITH THE DOCUMENTATION AND IMPLEMENT THE POLICIES AND PROCEDURES IN THEIR WORK.

LABORATORY IS COMMITTED TO TOTAL CUSTOMER SATISFACTION THROUGH RELIABLE, ACCURATE, PROMPT & TIMELY SERVICES IN THE FIELD OF TESTING.”

- We are An NABL Accredited Material Testing Lab:



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

ELMECH LABS PVT. LTD.

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

SUITE NO. B05, A-37, SECTOR-63, GAUTAM BUDDHA NAGAR, NOIDA, UTTAR PRADESH, INDIA

in the field of

TESTING

Certificate Number: TC-7980

Issue Date: 10/10/2021

Valid Until: 09/10/2023

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : Elmech Labs Pvt. Ltd.

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer

- We are also accredited by ISO 9001-2015:

CERTIFICATE OF REGISTRATION

CERTIFICATE

This is to certify that the
QUALITY MANAGEMENT SYSTEM
of



ELMECH LABS PRIVATE LIMITED

Suite No. B05, A-37, Sector - 63, Noida, Uttar Pradesh, India

has been assessed and found to be in conformance to the requirements
of the Quality Management Standard

ISO 9001:2015

The Management System Includes:

Chemical Testing of Various Types of Steel;
Mechanical Testing of Ferrous & Non Ferrous Material

Certificate No.: EI-2007030

Date of initial registration	10-08-2020
Date of this certificate	10-01-2022
Certificate Expiry	09-08-2022
Recertification Due	09-08-2023

R. Singh
Auth Sign

Registration is subject to the system being continually maintained to the above standard under regular surveillance.
To check the certificate validity please visit our website - www.isplcert.in or contact at- innovate.ispl@gmail.com

INNOVATIVE SYSTEMCERT PVT. LTD.

Accredited by EGAC, A Member of International Accreditation Forum
UGF-37, Ansal Plaza-I, Chiranjeev Vihar,
Ghaziabad-201002, U.P., INDIA
Web: www.isplcert.in, Email: innovate.ispl@gmail.com
Ph. +91 9811010509



LIST OF TESTING IN OUR LAB

Sr. No.	Name of Testing	Test Method
1	Tensile Test : UTS/ YS/0.2 % Proof Stress / Elongation (%) / RA (%)	IS:1608 / ISO : 6892 / ASME Sec-IIIC / ASTM A- 370 / ASTM E- 8
2	Mass Per Meter	IS : 1786
3	Tensile Test of Weld Coupon	ASME Sec-IX / ISO: 15614/ ASTM A- 370
4	Root / Face / Side Bend Test	EN : 910/ ASME Sec-IX / ISO: 15614
5	Fracture Test	ISO : 15614 / ASME Sec-IX
6	Mockup Test	ASME SEC-IX
7	Macro Examination	ISO 15614 / ASME Sec-IX/ ASTM E-381 / ASTM E-340
8	WPS/PQR/WPQ	ASME Sec- IX
9	Proof Load Test of Nut, Bolt, Fasteners	IS : 1367 Part-3 & Part-6/ ISO : 898
10	Bend Test	IS: 1599 / ISO : 7438
11	Re bend Test	IS : 1786
12	Charpy Impact Test	IS : 1757/ ASTM A-370/ ASTM E23
13	Izod Impact Test	IS : 1598
14	Drift Expansion Test/ Flaring Test of Pipe	IS : 2335/ ASTM A-370
15	Flattening Test of Pipe	IS : 2328 / ASTM A-370
16	Rockwell Hardness (HRA / HRB / HRC)	IS: 1586 / ASTM A-370 / ASTM E-18
17	Brinell Hardness Test (BHN)	IS: 1500 / ASTM A-370 / ASTM E-10
18	Micro Vickers Hardness (HV)	IS: 1501 / ASTM A-370 / ASTM E- 92
19	Microstructure Test (Ferrous Metal)	ASM Vol- 9 / IS: 7754
20	Grain Size	IS: 4748/ ASTM E-112
21	Inclusion Rating	IS: 4163/ ASTM E- 45
22	Case Depth	IS: 6416
23	Depth of De-carburization	IS: 6396
24	Plating Thickness	ASTM B - 487
25	IGC Test (Pr "A"/ "B" / "C" / "E")	ASTM A- 262
26	IGC Test (Method "A" / "B")	ASTM G- 28
27	Pitting Crevice Test (Method "A" / "B")	ASTM G- 48
28	Mass of zinc coating	IS : 6745
29	Adhesion Test	IS : 2629
30	Uniformity Test	IS : 2633
31	Mass of Phosphate Coating	IS: 3618
32	Dimension Check	ELPL/SOP-01/WI-19
33	SpectroAnalysis for Low Alloy Steel	ASTM E415
34	Spectro Analysis for Stainless Steel	ASTM E1086
35	Spectro Analysis for Cast Iron	ASTM E1999
36	Spectro Analysis for Tool Steel	JIS G1253

Note: We also provide other testing services with the help of our collaborative labs.



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7980

Validity 10/10/2021 to 09/10/2023

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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- METALLIC COATINGS & TREATMENT SOLUTIONS	Galvanized Steel	Adhesion Test	IS 2629 No. of Amendment 3
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Galvanized Steel	Mass of Zinc Coating (GSM)	IS 6745 No of Amend 5
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Galvanized Steel	Uniformity Test	IS 2633
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Phosphate Coated Steel	Mass of Phosphate Coating (GSM)	IS 3618
5	CHEMICAL- METALS & ALLOYS	Carbon steel	Aluminium	ASTM E415
6	CHEMICAL- METALS & ALLOYS	Carbon steel	Carbon	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Carbon steel	Chromium	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Carbon steel	Cobalt	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Carbon steel	Copper	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Carbon steel	Manganese	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Carbon steel	Molybdenum	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Carbon steel	Nickel	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Carbon steel	Niobium	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Carbon steel	Phosphorous	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Carbon steel	Silicon	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon steel	Sulphur	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Carbon steel	Tin	ASTM E415



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18	CHEMICAL- METALS & ALLOYS	Carbon steel	Titanium	ASTM E415
19	CHEMICAL- METALS & ALLOYS	Carbon steel	Vanadium	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Cast Iron	Aluminium	ASTM E1999
21	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999
22	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999
23	CHEMICAL- METALS & ALLOYS	Cast Iron	Cobalt	ASTM E1999
24	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999
25	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999
26	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E1999
27	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	ASTM E1999
29	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
30	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999
31	CHEMICAL- METALS & ALLOYS	Cast Iron	Tin	ASTM E1999
32	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E1999
33	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	ASTM E1999
34	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E1086
35	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E1086
36	CHEMICAL- METALS & ALLOYS	Stainless steel	Cobalt	ASTM E1086



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37	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	ASTM E1086
38	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E1086
39	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E1086
40	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E1086
41	CHEMICAL- METALS & ALLOYS	Stainless steel	Niobium	ASTM E1086
42	CHEMICAL- METALS & ALLOYS	Stainless steel	Nitrogen	IS 228 (Part 23)
43	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	ASTM E1086
44	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E1086
45	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E1086
46	CHEMICAL- METALS & ALLOYS	Stainless steel	Tin	ASTM E1086
47	CHEMICAL- METALS & ALLOYS	Stainless steel	Tungsten	ASTM E1086
48	CHEMICAL- METALS & ALLOYS	Stainless steel	Vanadium	ASTM E1086
49	CHEMICAL- METALS & ALLOYS	Tool steel	Aluminium	JIS G-1253
50	CHEMICAL- METALS & ALLOYS	Tool steel	Carbon	JIS G-1253
51	CHEMICAL- METALS & ALLOYS	Tool steel	Chromium	JIS G-1253
52	CHEMICAL- METALS & ALLOYS	Tool steel	Cobalt	JIS G-1253
53	CHEMICAL- METALS & ALLOYS	Tool steel	Manganese	JIS G-1253
54	CHEMICAL- METALS & ALLOYS	Tool steel	Molybdenum	JIS G-1253
55	CHEMICAL- METALS & ALLOYS	Tool steel	Phosphorous	JIS G-1253



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56	CHEMICAL- METALS & ALLOYS	Tool steel	Silicon	JIS G-1253
57	CHEMICAL- METALS & ALLOYS	Tool steel	Sulphur	JIS G-1253
58	CHEMICAL- METALS & ALLOYS	Tool steel	Tungsten	JIS G-1253
59	CHEMICAL- METALS & ALLOYS	Tool steel	Vanadium	JIS G-1253
60	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	0.2% Proof Stress	ASME SEC IIC
61	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	0.2% Proof Stress	ASTM A370
62	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	0.2% Proof Stress	ASTM E8
63	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	0.2% Proof Stress	IS 1608 (PART-1)
64	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	0.2% Proof Stress	ISO 6892 (PART-1)
65	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Area Reduction %	ASTM A370
66	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Area Reduction %	ASTM E8
67	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Area Reduction %	IS 1608 (PART-1)
68	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Area Reduction %	ISO 6892 (PART-1)
69	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Bend Test	ASTM A370
70	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Bend Test	IS 1599



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71	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Bend Test of Pipe	ISO 7438
72	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Brinell Hardness (BHN)	ASTM E10
73	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Brinell Hardness (HBW)	ASTM A370
74	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Brinell Hardness (HBW)	IS 1500 (PART-1)
75	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Charpy Impact Test	ASTM A370
76	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Charpy Impact Test	ASTM E23
77	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Charpy Impact Test	IS 1757 (P-1)
78	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Decarburization Depth	IS 6396
79	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Dimension, mm	ELPL/SOP-01/WI-19
80	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Drift Expansion Test Pipe	IS 2335
81	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Elongation %	ASME SEC IIC
82	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Elongation %	ASTM A370
83	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Elongation %	ASTM E8
84	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Elongation %	IS 1608 (PART-1)



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85	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Elongation %	ISO 6892 (PART-1)
86	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Flaring Test of Pipe	ASTM A370
87	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Flattening Test of Pipe	ASTM A370
88	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Flattening Test of Pipe	IS 2328
89	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Fracture Test	ASME SEC IX
90	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Fracture Test	ISO 15614 (PART-1)
91	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Izod Impact Test	IS 1598
92	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Micro Vickers Hardness (HV)	IS 1501 (PART-1)
93	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Micro Vickers Hardness (HV1)	ISO 15614 (PART-1)
94	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Microvicker Hardness (HV)	ASTM A370
95	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Mockup Test	ASME SEC IX
96	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Proof Load Test of Bolt	ISO 1367 (PART-3)
97	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Proof Load Test of Fasteners	ISO 898 (PART-1)
98	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Proof Load Test of Nut	ISO 1367 (PART-6)



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99	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Re-bend Test	IS 1786
100	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Rockwell Hardness (HRA)	IS 1586 (PART-1)
101	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Rockwell Hardness (HRBW)	ASTM A370
102	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Rockwell Hardness (HRBW)	IS 1586 (PART-1)
103	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Rockwell Hardness (HRC)	ASTM A370
104	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Rockwell Hardness (HRC)	IS 1586 (PART-1)
105	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Root, Face, Side Bend Test	ASME SEC IX
106	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Root, Face, Side Bend Test	EN910
107	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Root, Face, Side Bend Test	ISO 15614 (PART-1)
108	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Load Test	ASME SEC IIC
109	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Load Test	ASME SEC IX
110	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Load Test	ASTM A370
111	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Load Test	ASTM E8
112	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Load Test	IS 1608 (PART-1)



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113	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Load Test	ISO 15614 (PART-1)
114	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Load Test	ISO 6892 (PART-1)
115	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Strength	ASME SEC IIC
116	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Strength	ASTM A370
117	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Strength	ASTM E8
118	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Strength	ASTM SEC IX
119	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Strength	IS 1608 (PART-1)
120	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Strength	ISO 15614 (PART-1)
121	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Tensile Strength	ISO 6892 (PART-1)
122	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Yield Stress	ASME SEC IIC
123	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Yield Stress	ASTM A370
124	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Yield Stress	ASTM E8
125	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Yield Stress	IS 1608 (PART-1)
126	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Metal Products	Yield Stress	ISO 6892 (PART-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ELMECH LABS PVT. LTD., SUITE NO. B05, A-37, SECTOR-63, GAUTAM BUDDHA NAGAR, NOIDA, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7980	Page No	9 of 10
Validity	10/10/2021 to 09/10/2023	Last Amended on	18/10/2021

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
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bar	Mass per meter (Kg)	IS 1786 RA 2013
128	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	Case Depth	IS 6416
129	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	Decarburization Depth	IS 6396
130	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	Grain Size	ASTM E112
131	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	IGC Test	ASTM A262 Practice A
132	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	IGC Test	ASTM A262 Practice B
133	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	IGC Test	ASTM A262 Practice C
134	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	IGC Test	ASTM A262 Practice E
135	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	IGC Test	ASTM G28 Method A & Method B
136	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	IGC Test	ASTM G48, Method A & Method B
137	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	Inclusion Rating	ASTM E45
138	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	Inclusion Rating	IS 4163
139	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	Macro Examination	ASME SEC IX
140	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	Macro Examination	ASTM E340
141	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	Macro Examination	ASTM E381
142	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	Macro Examination	ISO 15614 (PART-1)
143	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	Micro structure Test	IS 7754
144	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Products	Microstructure Test	ASM Vol 9



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145	MECHANICAL- METALLOGRAPHY TEST	Metal and Oxide coated steel	Plating Thickness	ASTM B487

LIST OF EQUIPMENT

S.N.	Name of Equipment	UID No	Make	Range
1	Universal Testing Machine-100kN	ELPL/UTM/01	Enkay Enterprise	Up to 100KN
2	Universal Testing Machine-2000kN	ELPL/UTM/02	Enkay Enterprise	Up to 2000KN
3	Rockwell Hardness Tester	ELPL/RHT/01	Enkay Enterprise	Up to 100
4	Micro Vickers Hardness Tester	ELPL/MVH/01	Shimadzu	Up to 2Kg Load
5	Bending machine	ELPL/BBM/01	Enkay Enterprise	Mandrel 10 mm to 180 mm
6	Optical Emission Spectrometer	ELPL/OES/01	Shimadzu	Ferrous Base
7	Charpy Impact tester – ASTM	ELPL/CIT/01	Enkay Enterprise	300 Joule
8	Charpy-Izod Impact Tester –IS/ISO	ELPL/CIT/02	Phinitek Engineers	300 Joule 168 Joule
9	Inverted Metallurgical Microscope	ELPL/IMS/01	JB Instruments	Up to 1000X

UNIVERSAL TESTING MACHINE

Make: Enkay Enterprises
Capacity: up to 100kN



UNIVERSAL TESTING MACHINE

Make: Enkay Enterprises
Capacity: up to 2000kN



ROCKWELL HARDNESS TESTER

Make: Enkay Enterprises
Test: HRA/HRB/HRC



MICROVICKER HARDNESS TESTER

Make: Shimadzu

Range: Up to 2 kg of Load



OPTICAL EMISSION SPECTROMETER

Make: Shimadzu

Model: PDA-5000

Range: Fe base



BEND MACHINE

Make: Enkay Enterprises

Model: GW 50

Range: Mandrel up to 128 mm



CHARPY IMPACT TESTING MACHINE (ASTM)

Make: Enkay Enterprises

Range: up to 300J



CHARPY-IZOD IMPACT TESTING MACHINE

Make: Phinitek engineers

Range: up to 300J Charpy / 168J Izod

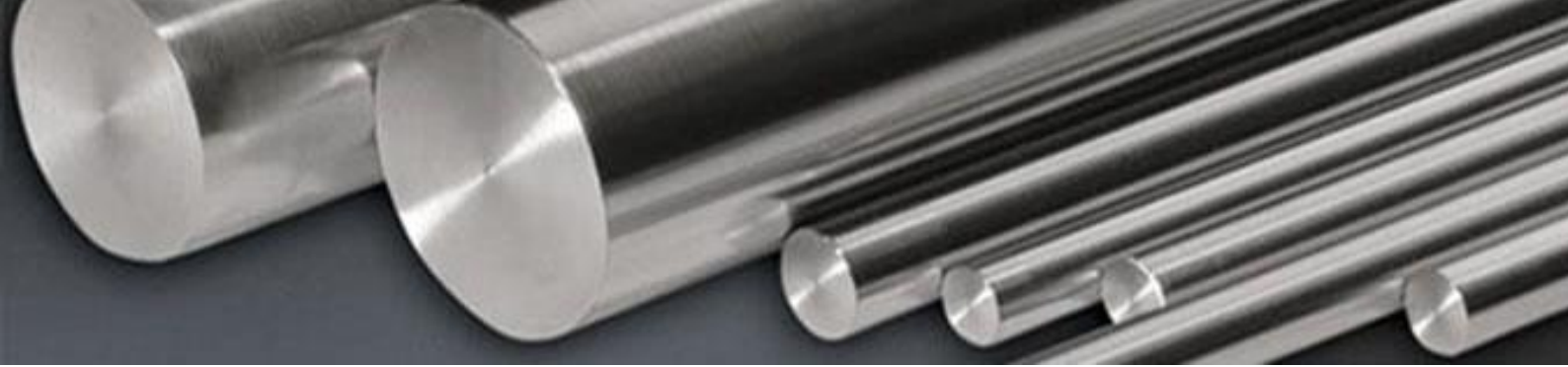


METALLURGICAL MICROSCOPE

Make: JB Instruments

Range-10X to 1000X





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