



## Federation for Development of Accreditation Services

### **CERTIFICATE OF ACCREDITATION** **(AS PER ISO/IEC 17025:2017)**

This is to attest that

#### **M/s TESTING LABORATORY “EMMTECH CALIBRATION”**

D1/90 & 65, Sanjay Colony, Sector-23,  
Faridabad (Haryana) -121005, India

#### **Testing Laboratory**


has demonstrated compliance with ISO/IEC Standard 17025:2017, General requirements for the competence of testing and calibration laboratories and supplementary criteria for testing laboratories.

**Certificate Number:** TL-102

**Issue Date:** 31/03/2021

**Valid Until:** 30/03/2023

The certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard and the relevant requirements of FDAS (scope of accreditation also displayed at [www.fdasindia.org](http://www.fdasindia.org)).

  
DEVI SARAN TEWARI  
President



# Federation for Development of Accreditation Services

## SCOPE OF ACCREDITATION

Laboratory Name M/s Testing Laboratory "Emmtech Calibration", D1/90 & 65, Sanjay Colony, Sector-23, Faridabad, Haryana-121005, India

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TL-102 Page No.: 1/2

Validity 31/03/2021 to 30/03/2023 Last Amended on .....

### CHEMICAL TESTING

#### Laboratory based Testing (Metals & Alloys)

S.No.	Product /Material of Test	Name of Test Performed	Test Method Specification against which tests are performed	Range of Testing/Limits of Detection
1.	Carbon & Low Alloy Steel	Carbon (as C)	ASTM: E- 415 IS:8811	0.06-1.1% 0.02-1.3%
		Chromium (as Cr)	ASTM: E- 415 IS:8811	0.05-2.25% 0.05-3.25%
		Manganese (as Mn)	ASTM: E- 415 IS:8811	0.10-2.0% 0.042-2.0%
		Molybdenum (as Mo)	ASTM: E- 415 IS:8811	0.03- 0.6% 0.01 -1.2%
		Nickel (as Ni)	ASTM: E- 415 IS:8811	0.02-3.7 % 0.05-3.7%
		Phosphorus (as P)	ASTM: E- 415 IS:8811	0.02-0.085% 0.008-0.09%
		Silicon (as Si)	ASTM: E- 415 IS:8811	0.07-1.15% 0.5-1.9%
		Sulphur (as S)	ASTM: E- 415 IS:8811	0.01-0.055% 0.008-0.08%
		Vanadium (as V)	ASTM: E- 415 IS:8811	0.004-0.3% 0.01-0.58%
		Niobium (as Nb)	ASTM: E- 415 IS:8811	0.02-0.065% 0.008-0.076%
		Cooper (as Cu)	ASTM: E- 415 IS:8811	0.04-0.5% 0.01-0.5%
2.	Stainless Steel	Nickel (as Ni)	ASTM: E – 1086 IS:9879	7.5-13.0% 5.0-15.0%
		Chromium (as Cr)	ASTM: E – 1086 IS:9879	17.0-23.0% 8.00-20.00%
		Manganese (as Mn)	ASTM: E – 1086 IS:9879	0.43-1.37% 0.43-1.37%
		Silicon (as Si)	ASTM: E – 1086 IS:9879	0.35-0.90% 0.35-1.35%

*Jitendra Parmar*  
Dealing Officer



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Page No.: 2/2

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S. No.	Product /Material of Test	Name of Test Performed	Test Method Specification against which tests are performed	Range of Testing/Limits of Detection
		Copper (as Cu)	ASTM: E – 1086	0.027-0.033%
		Carbon (as C)	ASTM: E – 1086 IS:9879	0.05-0.18% 0.05-0.18%
		Phosphorus (as P)	ASTM: E – 1086 IS:9879	0.008-0.15% 0.008-0.10%
		Sulphur (as S)	ASTM: E – 1086 IS:9879	0.008-0.03% 0.008-0.03%
		Molybdenum (as Mo)	ASTM: E – 1086 IS:9879	1.76-2.64% 1.76-2.64%
		Cobalt (as Co)	IS:9879	0.022-0.054%
3.	Cast iron	Manganese (as Mn)	ASTM E 1999 IS:15338	0.07-1.8% 0.21-1.8%
		Carbon (as C)	ASTM E 1999 IS:15338	1.90-3.8% 1.60-4.0%
		Silicon (as Si)	ASTM E 1999 IS:15338	0.73-2.5% 0.73-4.20%
		Sulphur (as S)	ASTM E 1999 IS:15338	0.01-0.08% 0.005-0.17%
		Phosphorus (as P)	ASTM E 1999 IS:15338	0.007-0.4% 0.007-0.5%
		Chromium (as Cr)	ASTM E 1999 IS:15338	0.025-2.0% 0.014-1.5%
		Nickel (as Ni)	ASTM E 1999 IS:15338	0.02-2.0% 1.0-1.5%
		Molybdenum (as Mo)	ASTM E 1999 IS:15338	0.018-1.2% 0.1-0.6%
		Copper (as Cu)	ASTM E 1999 IS:15338	0.03-0.5% 0.03-0.5%
		Vanadium (as V)	ASTM E 1999 IS:15338	0.008-0.22% 0.01-0.45%
		Titanium (as Ti)	ASTM E 1999	0.003-0.12%

*Jikendra Parmar*  
Dealing Officer