

Laboratory **Metalfab Quality Testing Laboratory, E-21-25, 33/B/2, MIDC Industrial Area, Hingna Road, Nagpur, Maharashtra**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-6415**

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Validity **12.10.2017 to 11.10.2019**

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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NON-DESTRUCTIVE TESTING

I.	METALS AND ALLOYS			
1.	Ultrasonic Testing			
a	Ferrous and Non Ferrous Materials Steel Plate	Ultrasonic Testing (Contact Method)	ASME B & PV Code Sec. V Article 5, ASME SA 578 & SA 435	5 mm to 150 mm
b	Plate	Ultrasonic Thickness Measurement	ASME SE 797	1.5 mm to 105 mm (Flat Surface)
c	Weld	Ultrasonic Testing (Contact Method)	ASME Sec.5 Article 5	5 mm to 100 mm
2.	Penetrant Testing			
a.	Weld	Liquid Penetrant Test (Solvent-removable, Visible)	ASME Sec. V Article 6, SE 165	Flaws open to surface
3.	Magnetic Particle Testing			
a.	Weld	Magnetic Particle Test (Prod and Yoke, Visible)	ASME Sec.V, Article 7 SE 709	Detection of surface and sub-surface flaws upto 3 mm depth.
4.	Radiography Testing			
a.	Weld	Radiography Testing using Gamma rays IR ¹⁹²	ASME Sec.V, Article 2	10 mm to 60mm (2% IQI Sensitivity)
b.	Pressure Vessel & Piping	Pressure test	ASME Sec V Article 10 ASME sec VIII UG99,UG100 IS 2825	Detection of seepage