



NABL

SCOPE OF ACCREDITATION

Laboratory Crystal Metallurgical Services & Solutions, Block No. 3A, Phase-V, IDA Cherlapally, E.C Nagar Junction Main Road, Dist. Rangareddy, Telangana

Accreditation Standard ISO/IEC 17025: 2005

Discipline Non-Destructive Testing **Issue Date** 20.10.2016

Certificate Number T-4205 **Valid Until** 19.10.2018

Last Amended on - **Page** 1 of 1

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. METALS AND ALLOYS				
1.	Welds, Forgings & Castings (Ferrous & Non-Ferrous)	Liquid Penetrate Examination (Visible & Florescent) (solvent removable)	ASME Sec-V Article 24,6, 2015 IS 3658: 1999 (RA 2014) IS 11732: 1995 (RA 2012) IS 12889: 1989 (RA 2014) EN-1371-1&2 (RA 2005) EN-571-1 (RA 1997)	Open to surface
2.	Welds, Forgings & Castings (Ferrous)	Ultrasonic Examination (Contact Type)	ASME Sec-V Article 4, 5 & 23 (RA 2015) IS 7666: 1988 (RA 2014) IS 4225-2004: 1995 (RA 2014) IS 4260: 2014 (RA 2015) IS 7343: 1986 (RA 2014) IS 12666: 1988 (RA 2013) IS 9565-1995 (RA 2012) EN 12680-1, 2, 3 (RA 2003) ISO 23279 (RA 2010) BS EN ISO 17640 (RA 2010)	8 mm to 1000 mm Plates 6 mm to 100 mm Welds 8 mm to 1000 mm Forgings 8 mm to 1000 mm Castings
		Magnetic Particle Examination (Wet, Dry-Visible, Florescent) & (Prod, Yoke)	ASME Sec-V Article 7, 25, 2015 IS 3703: 2004 (RA 2014) IS 10724: 1990 (RA 2012) IS 7743: 2006 (RA 2011) IS 5334 (RA 2014) EN 1369 (RA 2012)	Surface & Subsurface defects (Upto 3 mm depth)

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