

Laboratory Ultratech Engineers (Testing Laboratory), Plot No. 28, N. K. Industrial Park-1, Bakrol-Dhamatvan Road, Bakrol, Dist. Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5575

Page 1 of 2

Validity 08.05.2017 to 07.05.2019

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
-----	----------------------------	-------------------------	---	--

NON-DESTRUCTIVE TESTING

<u>AT LABORATORY & AT SITE</u>				
I.	METALS AND ALLOYS			
1.	Casting and Welding (Ferrous & Non-Ferrous)	Radiography Testing - Radio isotopes(Ir 192) - X-Rays (250kV)	ASME Sec.V Article 2 & 22	Qualitative (1 mm to 20 mm for X-Ray RT of welds)
			BS EN 12681 BS EN ISO 5579	Qualitative (4 mm to 20 mm for X-Ray RT of castings)
			ASME Sec.V Article 2 & 22 BS EN ISO 17636-1	Qualitative (4mm to 75mm for Gamma Ray (Ir 192) and X-Ray RT (Welding and Casting)
2.	Casting, Forging, Plate and Welding (Ferrous & Non-Ferrous)	Ultrasonic Testing	ASME Section V, Article-23 SA 609	Qualitative (5 mm to 250 mm)
			BS EN 12680	
			ASME Section V, Article-23, SA 388	
			ASME Section V, Article-23, SA 578	
			ASME Section V, Article-23, SA 435	
			ASME Section V, Article- 4 & 23 BS EN ISO 17640	
3.	Ferrous & Non-Ferrous materials	Ultrasonic thickness measurement (A scan Pulse echo contact method)	ASME Section V, Article-23, SE 797	1 mm to 100 mm

Mallika Gope
Convenor

N. Venkateswaran
Program Director

Laboratory Ultratech Engineers (Testing Laboratory), Plot No. 28, N. K. Industrial Park-1, Bakrol-Dhamatvan Road, Bakrol, Dist. Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5575

Page 2 of 2

Validity 08.05.2017 to 07.05.2019

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
4.	Casting and Welding (Ferrous)	Magnetic Particle Testing	ASME Sec V Article 7 & 25, SE 709	Qualitative (Surface & Subsurface Defect up to 3 mm)
			BS EN 1369	
			BS EN ISO 17638	
5.	Casting and Welding (Ferrous & Non-Ferrous)	Penetrant Testing	ASME Sec V Article 6 & 24, SE 165	Qualitative (Surface Defect)
			BS EN 1370	
			BS EN ISO 3452-1	

Mallika Gope
Convenor

N. Venkateswaran
Program Director