



NABL

National Accreditation Board for Testing and Calibration Laboratories

(An Autonomous Body under Department of Science & Technology, Govt. of India)

CERTIFICATE OF ACCREDITATION

TCR ADVANCED ENGINEERING PRIVATE LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

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

for its facilities at

250-252/9, GIDC, Makarpura, Naren Hardware Lane, Vadodara, Gujarat

in the discipline of

NON - DESTRUCTIVE TESTING

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Certificate Number T-2697

Issue Date 14/10/2015



Valid Until 13/10/2017

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL.

Signed for and on behalf of NABL

N. Venkateswaran

N. Venkateswaran
Program Manager

Anil Relia

Anil Relia
Director

S.K. Joshi

Prof. S. K. Joshi
Chairman



NABL

SCOPE OF ACCREDITATION

Laboratory	TCR Advanced Engineering Private Limited, 250-252/9, GIDC, Makarpura, Naren Hardware Lane, Vadodara, Gujarat		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Non – Destructive Testing	Issue Date	14.10.2015
Certificate Number	T-2697	Valid Until	13.10.2017
Last Amended on	26.10.2015	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
AT LABORATORY & AT SITE				
I. METALS AND ALLOYS				
1.	Ferrous & Non Ferrous Metals & Alloys	Ultrasonic Testing Detection of internal Flaws	ASME (Sec V): Article 4, Article 5(2013) SA609 (RA 2012), SA435 (RA 2012), SA 388: 2015 ISO 4386 (Part 1)	10 mm to 500 mm
2.	Ferromagnetic Materials	Magnetic Particle Testing - Detection of Surface Flaws and Sub- Surface Flaws by both visible and fluorescent technique using yoke, prod and coil wrap method	ASME (Sec V): 2013 SE 709: 2015	From surface to 4 mm depth
3.	Ferrous & Non-Ferrous Metals & Alloys (Non-Porous Materials)	Liquid Penetrant Testing - Detection of Flaws open to surface By both visible and fluorescent technique using solvent removal technique.	ASME (Sec V): 2013 SE 165: 2009 ISO 4386 (Part 3)	Flaws open to surface
4.	Ferrous & Non-Ferrous Materials	Eddy Current Testing (Tube testing)	ASME (Sec V): Article 8 (2013)	Tubes 12.7 mm to 50.8 mm ID and wall thicknesses 0.71 mm to 3.4 mm
5.	Ferrous Materials	Ultrasonic Thickness gauge	ASTM E 797: 2010	250 microns to 1 mm (25 MHz) 1 mm to 50 mm (5 MHz to 10 MHz) 51 mm to 200 mm (2 MHz)

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Gaurav Saini

Gaurav Saini
Convenor

N. Venkateswaran

N. Venkateswaran
Program Manager