



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

TCR ARABIA COMPANY LTD

KING ABDUL AZIZ SEAPORT ROAD
DAMMAM 32211, SAUDI ARABIA

Testing Laboratory TL-783

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiry Date April 1, 2026
Effective Date April 23, 2024



A handwritten signature in black ink, reading "Raj Nathan".

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

TCR ARABIA COMPANY LTD

www.tcr-arabia.com

Contact Name Senthil Periyasamy

Contact Phone +966-13-8475784/85

Accredited to ISO/IEC 17025:2017

Effective Date April 23, 2024

Mechanical Testing	
<u>Tensile Test</u>	
API 1104	Standard for Welding Pipelines and Related Facilities (Section 5.6.2)
ASME Sec IX	Boiler and Pressure Vessel Code (Article 1, QW-150 Tension Test)
ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products (Section 7-14)
ASTM E8	Standard Test Methods for Tension Testing of Metallic Materials
<u>Bend Test</u>	
API 1104	Standard for Welding of Pipelines and Related Facilities (Sections 5.6.4 and 5.6.5)
ASME Sec IX	Boiler and Pressure Vessel Code (Article 1, QW-160 Guided Bend Tests)
ASTM A370	Standard Test Methods of Definitions for Mechanical Testing of Steel Products (Section 15)
<u>Impact Test</u>	
ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products (Sections 20-30)
ASTM E23	Standard Test Methods for Notched Bar Impact Testing of Metallic Materials
<u>Vickers Hardness Test</u>	
ASTM E92	Standard Test Methods for Vickers Hardness and Knoop Hardness of Metallic Materials
<u>Rockwell Hardness Test</u>	
ASTM A370	Standard Test Methods and Definition for Mechanical Testing of Steel Products (Section 18)
ASTM E18	Standard Test Methods for Rockwell Hardness of Metallic Materials
<u>Brinell Hardness Test</u>	

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ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products (Section 17)
ASTM E10	Standard Test Methods for Brinell Hardness of Metallic Materials
<u>Flattening Test</u>	
ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products (Annexure A2.5.1.1)
<u>Nick Break Test</u>	
API 1104	Standard for Welding Pipelines and Related Facilities (5.6.3)
<u>Proof Load Test</u>	
ISO 898-1	Tensile Test of fasteners made carbon steel and alloy steel – Part 1: Bolts, screws and studs with specified property classes – Coarse thread and fine pitch thread
Metallurgy	
<u>IGC Test (Intergranular attack in stainless steel)</u>	
ASTM A262	Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels (Practice E)
<u>Macro Test</u>	
ASTM A751	Standard Test Methods, practices, and for Chemical Analysis of Steel Products by OES
ASTM A923	Standard Test Methods for detecting Detrimental Intermetallic Phase in Duplex, Austenitic/Ferritic Stainless Steels – Method C
ASTM E340	Standard Practice for Macroetching Metals and Alloys
ASTM E562	Standard Test Method for Determining Volume Fraction by Systematic Manual Point Count
ASTM G28	Standard Test Method for Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel Rich Chromium – Bearing Alloys - Method A
ASTM G48	Standard Test Methods for Pitting & Crevice Corrosion Resistance of Stainless Steel and Related Alloys by Use of Ferric Chloride solution – Method A