



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **TECHNO LABORATORIES**

PLOT NO.53-58, ROAD NO.6 RUSAYL INDUSTRIAL CITY  
MUSCAT, 124, OMAN

**Testing Laboratory TL-1138**

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.

Effective Date February 23, 2024



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

**President**

Visit [www.iasonline.org](http://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](http://www.iasonline.org)

## TECHNO LABORATORIES

[www.technolaboman.com](http://www.technolaboman.com)

**Contact Name** Liguory D'Mello

**Contact Phone** +968 92149003

*Accredited to ISO/IEC 17025:2017*

*Effective Date February 23, 2024*

<b>Mechanical Testing</b>	
API 1104	Standard for Welding of Pipelines and Related Facilities (Testing only)
ASME BPV Code, Section IX	Boiler and Pressure Vessel Code, Section IX: Welding, Brazing, & Fusing Qualifications (Testing only)
ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products
ASTM E8	Standard Test Methods for Tension Testing of Metallic Materials
ASTM E10	Standard Test Method for Brinell Hardness of Metallic Materials – HBW
ASTM E18	Standard Test Methods for Rockwell Hardness of Metallic Materials (B & C scale testing only)
ASTM E23	Standard Test Methods for Notched Bar Impact Testing of Metallic Materials
ASTM E92	Standard Test Methods for Vickers Hardness and Knoop Hardness of Metallic Materials
ASTM E190	Standard Test Method for Guided Bend Test for Ductility of Welds
ASTM E290	Standard Test Methods for Bend Testing of Material for Ductility
AWS D1.1	Structural Welding – Steel (Testing only)
AWS D1.2	Structural Welding Code – Aluminum (Testing only)
AWS D1.6	Structural Welding – Stainless Steel (Testing only)
BS EN 6892 Part 1	Metallic materials – Tensile testing – Part 1: Method of test at room temperature
BS EN ISO 148 Part 1	Metallic materials – Charpy pendulum impact test. Part 1: Test method
BS EN ISO 4136	Destructive tests on welds in metallic materials – Transverse tensile test
BS EN ISO 5173 A+1	Destructive tests on welds in metallic materials – Bend tests
BS EN ISO 6506 Part 1	Metallic materials – Brinell hardness test – Part 1: Test method – HBW
BS EN ISO 6507 Part 1	Metallic materials – Vickers hardness test – Part 1: Test method
BS EN ISO 6508 Part 1	Metallic materials – Rockwell hardness test Part 1: Test method (B & C scale testing only)

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BS EN ISO 9015-1	Destructive tests on welds in metallic materials - Hardness testing – Part 1: Hardness test on arc welded joints
BS EN ISO 15614 Part 1	Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
NACE MR 0175/ISO 15156 Part 2	Cracking-resistant carbon and low-alloy steels, and the use of cast irons
<b>Metallurgy Testing</b>	
ASM Handbook Volume 9	Metallography and Microstructures (Testing only)
ASTM A923 Method A	Standard Test Methods for Detecting Detrimental Intermetallic Phase in Duplex Austenitic/Ferritic Stainless Steels
ASTM E340	Standard Practice for Macro etching Metals and Alloys
ASTM E381	Standard Method of Macro etch Testing Steel Bars, Billets, Blooms, and Forgings
ASTM E407	Standard Practice for Micro etching Metals and Alloys
BS EN ISO 17639	Macro & Micro Examinations of Material & Weldments
<b>Corrosion Testing</b>	
ASTM A262 Method A, B, C & E	Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels
ASTM A923 Method C	Standard Test Methods for Detecting Detrimental Intermetallic Phase in Duplex Austenitic/Ferritic Stainless Steels
ASTM G28 Method A	Standard Test Methods for Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys
ASTM G48 Method A, C & E	Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution
NACE TM0177 -Method B	Laboratory Testing of Metals for Resistance to Sulfide Stress Cracking and Stress Corrosion Cracking in H2S Environments
NACE TM0284	Evaluation of Pipeline and Pressure Vessel Steels for Resistance to Hydrogen-Induced Cracking
<b>Chemical Testing</b>	
ASTM A751	Standard Test Methods and Practices for Chemical Analysis of Steel Products
ASTM E415	Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry
ASTM E1086	Standard Test Method for Analysis of Austenitic Stainless Steel by Spark Atomic Emission Spectrometry

API: American Petroleum Institute

ASM: American Society for Metals

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*ASME: The American Society of Mechanical Engineers*

*AWS: American Welding Society*

*NACE: National Association of Corrosion Engineers*