



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Corrosion Testing Services, LLC

895 Ardmore Hwy., Taft, TN 38488

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Mechanical Testing *(As detailed in the supplement)*

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:

December 8, 2018

Issue Date:

March 2, 2021

Expiration Date:

March 31, 2023

Accreditation No.:

102837

Certificate No.:

L21-163

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjilabs.com



Certificate of Accreditation: Supplement

Corrosion Testing Service, LLC

895 Ardmore Hwy., Taft, TN 38488
 Contact Name: George Waid Phone: 931-438-4224

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Mechanical ^F	Resistance to Cracking Failure of Alloys (Steel & CRA's)	Corrosion Tensile Testing	NACE Test TM0177 Method A/ASTM G49	Up to 10 000 lbf
		Bent-Beam Stress-Corrosion Test	NACE Test TM0177 Method B	Up to 0.25 in of Deflection
		C-Ring Test	NACE Test TM0177 Method C/ASTM G38	Up to 2 in of Deflection
		Double Cantilever Beam	NACE Test TM0177 Method D	Up to 2 000 lbf
		Testing at Elevated Temperature/Pressure	NACE-TM0177	D.L. = 5 000 psi D.L. = 600 °F
		Four-Point Bend Testing Material for Oil & Gas	NACE Test TM0316/ASTM G39	Up to 1 in of Deflection
		Slow Strain Rate Test for Screening Corrosion-Resistance Alloys (CRA's) for Stress Corrosion Cracking in Sour Oilfield Service	NACE TM0198/ASTM G129	Up to 10 000 lbf
	Cracking Failure of Alloys (Steel & CRA's)	Hydrogen Induced Cracking	NACE Test TM0284	Pass/Fail
	Resistance to Cracking Failure of Steel	Corrosion Tensile Testing	NACE Test TM0177 Method A/ASTM G49	Customer Defined
		Bent-Beam Stress-Corrosion Test	NACE Test TM1077 Method B	
		C-Ring Test	NACE Test TM0177 Method C/ASTM G38	
		Double Cantilever Beam	NACE TM0177 Method D	
		Corrosion Tensile Testing	NACE Test TM0177 Method A/ASTM G49	
		Hydrogen Induced Cracking	NACE- TM0284	
		Four-Point Bend Testing Material for Oil & Gas	NACE Test TM0316/ASTM G39	
Slow Strain Rate Test for Screening Corrosion-Resistance Alloys (CRA's) for Stress Corrosion Cracking in Sour Oilfield Service		NACE TM0198/ASTM G129	Up to 10 000 lbf	
Tensile Strength, Yield Strength, Elongation & Reduction of Area	Tensile Testing of Metals	ASTM A370 ASTM E8	Load Cell Capabilities Up to 10 000 lbf	



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Mechanical ^F	Metallic Material Hardness	Hardness Testing	ASTM E18	20 HRC to 70 HRC 65 HRB to 100 HRB 40 HRA to 85 HRA
Mechanical ^F (Metallurgical)	Metallic Materials	Grain Size	ASTM E112	Visual Evaluation

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.

