



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Detroit Steel Processing
12301 Hubbell Street, Detroit, MI 48227

(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):

Chemical and 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:

March 28, 2014

Issue Date:

August 20, 2022

Expiration Date:

December 31, 2024

Accreditation No.:

78162

Certificate No.:

L22-556

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

Detroit Steel Processing

12301 Hubbell Street, Detroit, MI 48227

Contact Name: Mr. Mike Liddell Phone: 313-491-3350

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
Chemical ^F	Carbon and Low Alloy Steel	Optical Emission Spectroscopy Al, C, Cr, Cu, Mn, Mo, Nb, Ni, P, S, Si, Ti, V	ASTM E415	150 nm to 800 nm light wavelength
				Min Detection Limits (% concentration):
				Al: 0.000 18 %
				C: 0.000 75 %
				Cr: 0.000 3 %
				Cu: 0.000 13 %
				Mn: 0.000 13 %
				Mo: 0.000 25 %
				Nb: 0.000 45 %
				Ni: 0.000 24 %
				P: 0.000 3 %
				S: 0.000 23 %
Si: 0.000 45 %				
Ti: 0.000 06 %				
V: 0.000 16 %				
Mechanical ^F	Carbon and Low Alloy Steel	Rockwell Hardness B, C, 15T, 30T, 45T	ASTM E18	HRBW, HRC, HR15TW, HR30TW, HR45TW
		Tensile Flat Metal r-Value n-Value	ASTM E8E8M ASTM E517 ASTM E646	200 lb to 10 000 lb

- 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.