



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Southwest Spectro-Chem Labs
1009 Louisiana Avenue, South Houston, TX 77587

*(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 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:

July 26, 2022

Issue Date:

July 26, 2022

Expiration Date:

October 25, 2024

Accreditation No.:

78478

Certificate No.:

L22-514

*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.pjlab.com*



Certificate of Accreditation: Supplement

Southwest Spectro-Chem Labs

1009 Louisiana Avenue, South Houston, TX 77587
Contact Name: Cristian Mendoza Phone: 713-944-3694

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	Petroleum Product	Neutralization Number, Acid Color Titration	ASTM D974	Titration/Brandt	
	Any Fluid	Color ASTM	ASTM D 1500	Precision Scientific Color Comparator	
	Petroleum Product	Flash and Fire Point		ASTM D92	Koehler Cleveland Open Cup
		Particle Count (Automatic)		ASTM D6786	Hiac Optical Particle Counter
		Kinematic Viscosity		SWSCL P1 10 based on ASTM D445	Cannon Zietfuchs Viscometer
		Viscosity Index		ASTM D2270	Calculation
		Water in Petroleum Products by Karl Fischer Titration		SWSCL Method P310 based on AST	Mettler Toledo KF Coulometer
		Water Source		SWSCL P330-01	Calculation
		RULER, linear sweep voltammetry		ASTM D6971	Fluitec RULER
	Aqueous Solutions	pH		SM 4500H+	Thermo Orion Star
		Conductivity		SM 2510	Thermo Orion Star
		Chloride		ASTM D512A	Titration

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.
2. The above scope of accreditation was created based on a former ILAC MRA Signatory's certificate policy. Based on the intent of the ILAC MRA, PJLA recognizes other scopes issued by other ILAC signatories. This scope will be modified based on PJLA's Policy following the next on-site assessment.