



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

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

Fulfills the requirements of

**ISO/IEC 17025:2017**

In the field of

**TESTING**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 25 October 2021

Certificate Number: L2334



This laboratory 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 (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

### Southwest Spectro-Chem Labs

1009 Louisiana Avenue  
South Houston, TX 77587  
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### TESTING

Valid to: **October 25, 2021**

Certificate Number: **L2334**

#### Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Neutralization Number, Acid Color Titration	ASTM D974	Petroleum Product	Titration/Brandt
Color ASTM	ASTM D1500	Any Fluid	Precision Scientific Color Comparator
Flash and Fire Point	ASTM D92	Petroleum Product	Koehler Cleveland Open Cup
Particle Count (Automatic)	ASTM D6786	Petroleum Product	Hiac Optical Particle Counter
Kinematic Viscosity	SWSCL Method P110 (based on ASTM D445)	Petroleum Product	Cannon Ziefuchs Viscometer
Viscosity Index	ASTM D2270	Petroleum Product	Calculation
Water in Petroleum Products by Karl Fischer Titration	SWSCL Method P310 (based on ASTM)	Petroleum Product	Mettler Toledo KF Coulometer
Water Source	SWSCL Method P330-01	Petroleum Product	Calculation
RULER, linear sweep voltammetry	ASTM D6971	Petroleum Product	Fluitec RULER
pH	SM 4500 H+	Aqueous Solutions	Thermo Orion Star
Conductivity	SM 2510	Aqueous Solutions	Thermo Orion Star
Chloride	SM 4500- Cl Mercuric Nitrate Method	Aqueous Solutions	Titration

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2334.



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R. Douglas Leonard Jr., VP, PILR SBU

