



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Alpha Resources, LLC
3090 Johnson Road
Stevensville, MI 49127

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.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 04 January 2024

Certificate Number: AT-1200



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

Alpha Resources, LLC

3090 Johnson Road
Stevensville, MI 49127
Justin Edenfield Phone: 269-465-5559
justin@alpharesources.com www.alpharesources.com

TESTING

Valid to: **January 4, 2024**

Certificate Number: **AT-1200**

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Carbon	ASTM E 1019 ARI-LAB-621	Steel, Iron, Nickel and Cobalt Alloys	Elementrac CSi Leco CS-444 Determinator
Sulfur	ASTM E 1019 ARI-LAB-621	Steel, Iron, Nickel & Cobalt Alloys	Elementrac CSi CS-444 Determinator
Oxygen	ASTM E 1019 ARI-LAB-622	Steel, Iron, Nickel & Cobalt Alloys	Eltra ONH 2000 Leco TC-436 Determinator
Nitrogen	ASTM E 1019 ARI-LAB-622	Steel, Iron, Nickel & Cobalt Alloys	Eltra ONH 2000 TC-436 Determinator
Hydrogen	Modified ASTM E1019/E1447 ARI-LAB-623	Steel	Eltra ONH 2000 Eltra Elementrac ONHp RH-404 H-Determinator
Oxygen	ASTM E 1409 ARI-LAB-622	Titanium	Eltra ONH 2000 TC-436 Determinator
Nitrogen	ASTM E 1409 ARI-LAB-622	Titanium	Eltra ONH 2000 TC-436 Determinator
Hydrogen	ASTM E 1447 ARI-LAB-623	Titanium	Eltra ONH 2000 RH-404 H-Determinator

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Carbon	ASTM E 1941 ARI-LAB-621	Refractory and Reactive Metals and Their Alloys	Elementrac CSi Leco CS-444
Sulfur	ASTM D 4294 ARI-LAB-619	Petroleum & Petroleum Products	Rigaku XRF Analyzer
Sulfur	ASTM D 4239 ARI-LAB-616	Coal & Coke	CS-580 Determinator
Sulfur	ASTM D 1552 ARI-LAB-616	Petroleum & Petroleum Products	CS-580 Determinator

Thermal

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Calorimetric Value	ASTM D 240 ARI-LAB-618	Benzoic Acid Tablet	Parr 6200 Calorimeter
LOI (Loss on Ignition)/Ash	ASTM C25 ARI-LAB-620	Blended Solid	Muffle Furnace/ Balance Thermogravimetric Analyzer TGA-701
Proximate Analysis	ASTM D 7582 ARI-LAB-633	Coal & Coke	Thermogravimetric Analyzer TGA-701
Thermal Decomposition	ARI-LAB-624	Calcium Oxalate	Thermogravimetric Analyzer TGA-701

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1200.



R. Douglas Leonard Jr., VP, PILR SBU