



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

Alpha Resources, LLC
3090 Johnson Road
Stevensville, MI 49127

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

while demonstrating technical competence in the fields of

TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations and/or tests to which this accreditation applies.

AT-1200

Certificate Number



ANAB Approval

Certificate Valid: 11/27/2018-01/04/2020
Version No. 007 Issued: 11/27/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 17025:2005

Alpha Resources, LLC

3090 Johnson Road

Stevensville, MI 49127

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TESTING

Valid to: January 4, 2020

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-033	Steel, Iron, Nickel and Cobalt Alloys	Eltra CS-800, and/or CS-2000 Leco CS-444 Determinator
Sulfur	ASTM E 1019 ARI-033	Steel, Iron, Nickel & Cobalt Alloys	CS-800 and/or CS-2000 and CS-444 Determinator
Oxygen	ASTM E 1019 ARI-034	Steel, Iron, Nickel & Cobalt Alloys	Eltra ONH 2000 Leco TC-436 Determinator
Nitrogen	ASTM E 1019 ARI-034	Steel, Iron, Nickel & Cobalt Alloys	Eltra ONH 2000 TC-436 Determinator
Hydrogen	Modified ASTM E1019/E1447 ARI-036	Steel	Eltra ONH 2000 Eltra Elementrac ONHp RH-404 H-Determinator
Oxygen	ASTM E 1409 ARI-034	Titanium	Eltra ONH 2000 TC-436 Determinator
Nitrogen	ASTM E 1409 ARI-034	Titanium	Eltra ONH 2000 TC-436 Determinator
Hydrogen	ASTM E 1447 ARI-036	Titanium	Eltra ONH 2000 RH-404 H-Determinator
Carbon	ASTM E 1941 ARI-033	Refractory and Reactive Metals and Their Alloys	Eltra CS-800 Leco CS-444

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Sulfur	ASTM D 4294 ARI-078	Petroleum & Petroleum Products	Rigaku XRF Analyzer
Sulfur	ASTM D 4239 ARI-035	Coal & Coke	CS-580 and/or CS-2000 Determinator
Sulfur	ASTM D 1552 ARI-035	Petroleum & Petroleum Products	CS-580 and/or CS-2000 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-079	Benzoic Acid Tablet	Parr 6200 Calorimeter
LOI (Loss on Ignition)/Ash	ASTM C25 ARI 192	Blended Solid	Muffle Furnace/ Balance

Note:

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



Vice President