



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Alkar Steel and Processing Metallurgical Laboratory
25854 Sherwood
Warren, MI 48091

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.

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: 31 March 2023
Certificate Number: AT-1934



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

Alkar Steel and Processing Metallurgical Laboratory

25854 Sherwood
Warren, MI 48091

Charla Thompson Charla.thompson@alkarsteel.com
586 774 1090

TESTING

Valid to: **March 31, 2023**

Certificate Number: **AT-1934**

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Tensile	ASTM A370, ASTM E8, JIS Z2241, ISO 6892	Metal	Instron Load Machine, Optical Extensometer
Strain Hardening Exponent (n)	ASTM E646	Metal	Instron Load Machine, Optical Extensometer
Plastic Strain Ratio (r)	ASTM E517	Metal	Instron Load Machine, Optical Extensometer
Hardness Rockwell (B & 30T)	ASTM E18	Metal	Rockwell Hardness Tester
Optical Emission Spectroscopy	ASTM E415	Metal	ARL Spectrometer

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1934.



R. Douglas Leonard Jr., VP, PILR SBU