



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CLEVELAND-CLIFFS CLEVELAND WORKS LLC

3060 Eggers Avenue

Cleveland, OH 44105

Robert Matay

Phone: 216 429 6357

MECHANICAL

Valid To: August 31, 2025

Certificate Number: 3697.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on carbon and low alloy steels:

<u>Test</u>	<u>Test Method(s)</u>
Physical Properties	
Tensile (TS, YS, EL)	ASTM A370, E8; ISO 6892-1; JIS Z2241
n-Value	ASTM E646; ISO 10275; JIS Z2253
r-Value	ASTM E517; ISO 10113; JIS Z2254
Hardness Rockwell (B)	ASTM A370; ASTM E18
Chemical Properties	
Optical Emission Spectroscopy (OES) (Al, B, C, Ca, Cb, Cr, Cu, Mn, Mo, N, Ni, P, Pb, S, Sb, Si, Sn, Ti, V)	ASTM E415
Combustion Infrared (C, S) / Inert-Gas Fusion (N)	ASTM E1019
Coating Weight by X-Ray Fluorescence	ASTM A754



Accredited Laboratory

A2LA has accredited

CLEVELAND-CLIFFS CLEVELAND WORKS LLC

Cleveland, OH

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. 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).



Presented this 18th day of September 2023.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3697.01
Valid to August 31, 2025

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.