



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CLEVELAND-CLIFFS BURNS HARBOR LLC

250 West US Highway 12

Burns Harbor, IN 46304

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MECHANICAL

Valid To: July 31, 2025

Certificate Number: 2333.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following evaluations and tests on metals and alloys:

Test Description

Test Method(s)

Physical Testing

Hardness

Rockwell (B)

Superficial (15T, 30T, 45T)

ASTM A370

ASTM E18

ASTM E18, E140

Fracture (Charpy)

ASTM A370, A673, E23

Tensile (TS, YS, EL, RA)

ASTM A370, A770, E8/E8M;

EN 10130; ISO 6892; JIS Z2241

n-Value

ASTM E646

r-Value

ASTM E517

Chemical Testing

Optical Emission Spectroscopy (OES)

Al, As, B, C, Ca, Cb, Co, Cr, Cu, Mn,

Mo, N, Ni, P, Pb, S, Sb, Si, Sn, Ti, V, Zr

ASTM E415

Combustion Infrared (C, S) / Inert-Gas Fusion (N)

ASTM E1019

Inductively Coupled Plasma (ICP)

Al, Cb, Cu, Ti

QA-MCL-Q3420



Accredited Laboratory

A2LA has accredited

CLEVELAND-CLIFFS BURNS HARBOR LLC

Burns Harbor, IN

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 31st day of May 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 2333.01
Valid to July 31, 2025

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