SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ESSAR STEEL ALGOMA INC.
MECHANICAL AND CHEMICAL LABORATORIES
105 West Street
Sault Ste. Marie, Ontario P6A 7B4, Canada
Karsten Rogers Phone: 705 945 3341

MECHANICAL

Valid To: July 31, 2017 Certificate Number: 0406.02

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

Test Technology	**Test Method**
Hardness	
Rockwell (HRBW, HRC)	ASTM E18
Brinell (HBW)	ASTM E10
Hardenability (Jominy)	ASTM A255
Physical Properties	
Guided Bend	ASTM E290; JIS Z2248
Impact (Charpy) (-76 to 75) °F	ASTM E23
Tension	ASTM E8, A370; JIS Z2241
Chemical Tests:	
Optical Emission Spectrochemical Analysis for Major and Minor Alloying Elements in Low Alloy Steel (Al, As, B, Ca, C, Cr, Cu, Mn, Mo, Ni, Nb, N, P, Si, S, Sn, Ti, V, Zr)	ASTM E415
LECO Inert Gas Fusion Determination of N in Steel	ASTM E1019

Accredited Laboratory

A2LA has accredited

ESSAR STEEL ALGOMA INC.

Sault Ste. Marie, Ontario, Canada

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009*).

Presented this 24th day of July 2015.

President & CEO
For the Accreditation Council
Certificate Number 0406.02
Valid to July 31, 2017

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