



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

FRISA FORJADOS S.A. DE C.V.
Valentín G. Rivero No. 127 Col. Los Treviño
Santa Catarina, Nuevo León, Mexico 66150
Planta Santa Catarina
Delia Alejandra Ortega Lombano Phone: + 52 (81) 1477-1524
Email: delia.ortega@frisa.com

MECHANICAL

Valid To: April 30, 2021

Certificate Number: 3419.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following test on Metallic Materials (Steel products):

<u>Test:</u>	<u>Test Methods:</u>
Charpy Impact	ASTM E23, A370; ISO 148-1
Hardness - Brinell (HBW 10/3000)	ASTM E10, A370; ISO 6506-1
Hardness - Rockwell (HRBW, HRC)	ASTM E18, A370
Tensile (Tension, Yield, Modulus, Elongation and Reduction of Area)	ASTM E8/E8M, A370, B557; ISO 6892-1
Elevated Temperature Tension (Up to 1200°C)	ASTM E21; ISO 6892-2
Determining Average Grain Size (Comparison Method)	ASTM E112; ISO 643
Determining the Inclusion Content of Steel (Method A)	ASTM E45; ISO 4967
Sample Preparation	ASTM E3
<u>Chemical Testing</u>	
Chemical Analysis – Optical Emission Spectrometry (OES) Carbon & Low Alloy Steel (Al, As, B, C, Ca, Co, Cr, Cu, Mn, Mo, N, Nb, Ni, P, Pb, S, Sb, Se, Si, Sn, Ta, Ti, V, W, Zr) Stainless Steel (Al, B, C, Co, Cr, Cu, Mn, Mo, N, Nb, Ni, P, Pb, S, Si, Sn, Ta, Ti, V, W)	ASTM A751, E415 ASTM A751, E1086



Accredited Laboratory

A2LA has accredited

FRISA FORJADOS S.A DE C.V

SANTA CATARINA, NUEVO LEON, MEXICO

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 6th day of May 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3419.01
Valid to April 30, 2021

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