



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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MECHANICAL

Valid To: April 30, 2019

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, ASTM A370; ISO 148-1
Hardness-Brinell (HBW 10/3000)	ASTM E10, ASTM A370; ISO 6506-1
Tensile	
Tension	ASTM E8/E8M, ASTM A370; ISO 6892-1
Yield	ASTM E8/E8M, ASTM A370; ISO 6892-1
Modulus	ASTM E8/E8M, ASTM A370; ISO 6892-1
Elongation	ASTM E8/E8M, ASTM A370; ISO 6892-1
Reduction of Area	ASTM E8/E8M, ASTM A370; 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
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 17025:2005 *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 21<sup>st</sup> day of February 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 3419.01  
Valid to April 30, 2019

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