HAS ACCREDITED

OUTOKUMPU MEXINOX, S.A. DE C.V.

AVENIDA INDUSTRIAL No. 4100
COL. ZONA INDUSTRIAL 1A. SECCIÓN,
C.P. 78395, SAN LUIS POTOSÍ.

As a testing laboratory in accordance with the requirements established in the Mexican Standard NMX-EC-17025-IMNC-2006 (ISO/IEC 17025:2005) for technical competence in the field of:

METAL- MECHANIC*

A laboratory's fulfillment of the requirements of ISO/IEC 17025:2005 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025:2005 (section 4) are written in language relevant to laboratory operations and meet the principles of ISO 9001:2008 Quality Management Systems – Requirements and are aligned with its pertinent requirements.

Maria Isabel López Martínez
Executive Director

Accreditation: MM-0022-003/09
Valid since: 2009-02-20

*For the scope of accreditation granted in the technical annex 08LP0291. The laboratory must present the evidence of their accreditation status and also the scope of accreditation with the submission of this document.

FOR-LAB-011-01
Mexico City, June 19th, 2017.
Reference Number: 17LP0612

Ing. Miguel Angel Zapata Gonzalez
Authorized representative.
Outokumpu Mexinox, S.A. de C.V.
Laboratorio de Análisis y Pruebas
Avenida Industrial No. 4100
Col. Zona Industrial 1a. Sección,
C.P. 78395, San Luis Potosí

I hereby refer to the application for the extension of Signatories, of the accreditation granted through the document with the reference number 08LP0291 dated on Feb 20th, 2009 as a testing laboratory in the metalworking branch, in conformance with standard ISO/IEC 17025:2005 “General requirements for the competence of testing and calibration laboratories”

Regarding this and based on what is established in articles 68, 69, 70, 70-C and 81 of the Federal Law on Metrology and Standardization, third transitory of the decree by which several dispositions of the Federal Law on Metrology and Standardization are reformed, added and derogated, published on May 20th 1997 in the Federal Official Gazette and in document No. 100.98.00654 dated on December 10th 1998 by means of which the operation of the entidad mexicana de acreditación, a.c. (ema) is authorized, published in the Federal Official Gazette on January 15th 1999, and with a previous favorable technical ruling on accreditation, issued by the Testing Laboratories Assessment Committee, the entidad mexicana de acreditación, a.c., through the Technical Opinion Comission as in the Point 13.3.3 of the MP-FP002 (current), issues the following:

Extension of Signatories of the accreditation No. MM-0022-003/09, as a testing laboratory, solely on the tests described in this document:

<table>
<thead>
<tr>
<th>Hardness</th>
<th>Testing</th>
<th>Standard and / or Method reference</th>
<th>Signatories</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Determination of hardness scales: HRB, HRC, 15T, 30T, 15N y 30N.</td>
<td>ASTM E 18-11 Standard Test Method for Rockwell Hardness and Rockwell Superficial Hardness and Metallic Materials</td>
<td>1,2,3,4,5,6,7,8,9</td>
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<td></td>
<td>Determination of parameters Of formability. Value of &quot;n&quot;.</td>
<td>ASTM E646-07 Standard Test Method for Tensil Strain Hardening Exponents (n-Values) of Metallic Sheet Materials.</td>
<td>1,2,3,4,5,6</td>
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<tr>
<td>Testing</td>
<td>Standard and / or Method reference</td>
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<td><strong>Destructive Mechanics</strong></td>
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<td>Determination of free fold type 1, 180° bend in metallic materials</td>
<td>ASTM E 290-09 Incise 8.5 y 8.5.2 Standard Test Method for Bend Testing of Material for Ductility.</td>
<td>1,2,3,4,5,6</td>
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<td>Property Determination Of tension in metallic materials</td>
<td>ASTM E8/E8M-13a / ASTM A370-13 Standard Test Methods for Tension Testing of Metallic Materials.</td>
<td>1,2,3,4,5,6,7,8,9</td>
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<td><strong>Metallography</strong></td>
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<td>Determination of grain size Average in stainless steel and Carbon steels by the method of Linear intercept (Heyn).</td>
<td>ASTM E 112-12 Standard Test Methods for Determining Average Grain Size.</td>
<td>1,2,3,4,5,6,7,8,9</td>
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<td><strong>Corrosion</strong></td>
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<tr>
<td>Practice A-Oxalic acid etch test for classification of etch structures of austenitic stainless steels 2. Practice E-copper-Copper sulfate-16% sulfuric acid test for detecting susceptibility to intergranular attack in austenitic stainless steel 7.8</td>
<td>ASTM A262-10 Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels.</td>
<td>1,2,3,4,5,6</td>
<td></td>
</tr>
</tbody>
</table>

Authorized Signatories:

1. Alfredo Martínez Loredo.
2. Francisco Escalante Martínez.
3. Carlos Raymundo Ornelas Rodríguez.
4. Hugo Ramírez Pérez.
5. José David González Gaytán.
6. Fabián Rogelio Luna Rodríguez.
7. Diego Servín Díaz.
8. Juan Daniel Avalos Ávila.

The validity of this extension of signatories of the accreditation is from June 19th, 2017 and it depends on the assessment carried out by the competent ministry or the entidad mexicana de acreditación, a.c., carried out, in order to verify that the testing laboratory is fully complying in its structure and...
functioning with the dispositions of the Federal Law on Metrology and Standardization and the rules derived from it.

It is worth mentioning that the activities of this extension of signatories of the accreditation on the quality system, must punctually adjust to the requirements demanded by the Federal Law on Metrology and Standardization, the regulations, procedures and methods established in the Mexican Official Standards, the Mexican Standards and falling that, the international ones, otherwise, they can incure in the sanctions that are expressly instructed in said law, and also in the applicable procedures of the entidad mexicana de acreditación, a.c.

To that purpose we remind you that in order to assess the Mexican Official Standards, it is necessary to obtain the approval of the competent agency in the terms of articles 38, fraction VI, 70 and 83 of the aforementioned Federal Law on Metrology and Standardization.

A laboratory’s fulfillment of the requirements of ISO/IEC 17025:2005 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025:2005 (Item 4) are written in language relevant to laboratory operations and meet the principles of ISO 9001:2008 Quality Management Systems – Requirements and are aligned with its pertinent requirements.

I sincerely appreciate the attention given to this notice.

Yours truly,

Maria Isabel Lopez Martinez
Executive Director