

ISO 9001:2008

No. Cert. MX15-299 1356

# MILL TEST CERTIFICATE



<b>Certificate No.</b> 74175	<b>Customer No.:</b> CNI033
<b>Commodity:</b> Stainless Steel Forged Flanges	<b>Customer:</b> Industrias Ibero Steel S.A. de C.V.
<b>Date:</b> 18/03/2020 12	<b>Address:</b> Av. Insurgentes Sur No. Ext. 1431 No. Int. Piso 10 Oficina 1045
<b>Delivery/Reference:</b> 42,873/1607	Insurgentes Mixcoac Benito Juárez

<u>Item</u>	<u>Quantity</u>	<u>Code</u>	<u>Description</u>	<u>Specification</u>
1	8.00	BSOL62150	Flange A182 Slip On RF 2in 150 Lbs Tp 316/L	A182-14b / SA182-13

**\*\* CHEMICAL ANALYSIS \*\***

<u>Item</u>	<u>Heat Treatment</u>	<u>C</u>	<u>Mn</u>	<u>P</u>	<u>S</u>	<u>Si</u>	<u>Cr</u>	<u>Ni</u>	<u>Mo</u>	<u>N</u>
1	DYS12	0.014	0.940	0.031	0.001	0.370	16.200	10.040	2.050	0.000

**\*\* MECHANICAL TEST \*\***

<u>Item</u>	<u>Heat Treatment</u>	<u>Tensil Strength</u>	<u>Yield Strength</u> 0.2%	<u>Elong %</u>	<u>Hardness HRB</u>	<u>Reduction %</u>
1	DYS12	79025 psi	34800 psi	45.00	185	55

  

<u>Testing</u>	<u>Result</u>
Visual Inspection	OK
Dimensional Check	OK
Surface Crack Inspection	OK
Intergranular Test ASTM A262	OK

We hereby certify the above mentioned products have made satisfactory in accordance with the specified requirements in the contract and the results described above are true and correct in every details. Heat treatment was carried out by solution annealing at 1090°C then cooled using water. Products are also in accordance with ANSI/ASME SA182-13, dimensions according to ANSI/ASME B16.5-13 and hardness complies to NACE, MR0175.

  
**Quality Assurance Inspector**

**GESTION DE CALIDAD**  
**V. REYES**  
**Inspector Stamp**