


Manufacturer / Fabricante  outokumpu high performance stainless steel	Type of document / Tipo de documento <p style="text-align: center;">TEST REPORT CERTIFICADO</p>	Document number / No. Certificado <p style="text-align: center;">KM7101</p> Page / pagina <p style="text-align: right;">1 / 1</p>
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	Customer's order number / No. de pedido cliente 4500881219	
	Mill order No. / No. de pedido 2507 - 1	
	Code part number	
	Package (Empaque) B1729118 00	

Steel grade and quality / Acero <p style="text-align: center;">316L UNS S31603</p>	Product dimensions (Width /Length /Thickness) in mm Dimensiones (Ancho / Largo /Espesor) <p style="text-align: center;">48.00 X COIL X .0355 1219.20 X ROLLO X .902</p>	Finish / Acabado <p style="text-align: center;">P4</p>
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Coil No. / Bobina No.	Heat No. / Colada	No. of pieces / Piezas	Gross WT. / Peso bruto	lb kg	Net WT. / Peso Neto	lb kg
1 608187 ABAA	521594	1	13,228 6,000		13,153 5,966	

Chemical composition / Composición Química (%)											
Heat / Colada	C	Cr	Mn	Mo	N	Ni	P	S	Si		
521594	.0275	16.6700	1.5000	2.0240	.0376	10.0800	.0360	.0014	.3500		
Heat / Colada											


Mechanical properties / Propiedades mecanicas						
Inspection lot / Lote de inspeccion	D	TENSILE S / R.TENSION (PSI/MPa)	YIELD S / R.FLUENCIA OFFSET 0.20% (PSI/MPa)	ELONGACION % ALARGAMIENTO	HARDNESS HRBW	
1 B487589	T	94419 / 651	50328 / 347	51.5	84.0	
Inspection lot / Lote de inspeccion	D	TENSILE S / R.TENSION (PSI/MPa)	YIELD S / R.FLUENCIA OFFSET 0.20% (PSI/MPa)	ELONGACION % ALARGAMIENTO	HARDNESS	

MELT SOURCE: USA

THIS MATERIAL COMPLIES WITH CHEMICAL COMPOSITION ACCORDING TO ASTM A 240/A 240M-17 STD. NOM, AND IT COMPLIES ALSO WITH THE MECHANICAL AND CHEMICAL PROPERTIES ESTABLISHED IN THE FOLLOWING STDS. :
 ASTM A666-15, ASME SA240-17, QQ-S-766-D, MIL-S-5059-D, AMS 5507G,

16940
04/10/19
Ryerson
SS 316-4-035-4401e

"THIS MATERIAL IS FREE OF MERCURY CONTAMINATION" THIS ANALYSIS ALSO MEETS REQUIREMENTS OF 316"

Originator of the document / Originador del documento <p style="text-align: center;">Outokumpu Mexinox, S.A de CV An ISO 9001:2008 certified company</p>  <p>We hereby certify that in recognition of the terms and conditions set forth in the EU RoHS2 Directive -2011/65/EU, we can insure that all of our products and processes fully comply with it. HECHO EN MEXICO / MADE IN MEXICO</p> <p>Certificate is generated automatically / Certificado generado automaticamente</p>	<p style="text-align: center;">The information provided is a true copy of data on file/ Los valores mostrados corresponden a los datos archivados</p> <p style="text-align: center;"><i>Enrique Anguiano</i></p> <p style="text-align: center;">Noe Anguiano Hernandez EN 10204 3.1 Name of expert / Nombre del experto</p>	Date of issue and validation Fecha de emisión y validación <p style="text-align: center;">SEP-06-18</p> <p style="text-align: center;">PRINTED</p> <p style="text-align: center;">13:04:25 OCT-01-18</p>
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