



Manufacturer / Fabricante 		Type of document / Tipo de documento <h2 style="text-align: center;">INSPECTION CERTIFICATE</h2> CERTIFICADO DE INSPECCION according to / de acuerdo con <h3 style="text-align: center;">EN 10204-3.1</h3>				Document number / 12/01/2022 N° de certificado. <h2 style="text-align: center;">0000596497 /</h2>																			
1 Steel Drive; P.O. Box 13000; Calvert, AL 36513-1300		Customer's order number / N° de Pedido Cliente . 111509		Manufacturer's works order no. / N° de Pedido Manufactura . 901317217 / 001		Delivery note no. / N° de Entrega . 85802442 / 010																			
Terms of delivery / Condiciones de entrega ASTM A240/A240M-22b, ASME SA-240 Sec. II part A Ed.2021 ASTM A480/A480M-22a, ASME SA-480 Sec. II part A Ed.2019 ASTM A276-17, A312-21, A479-22, A484-22 Chemical only ASTM A666-15 ASTM F899-20 for Chemical composition ASME SA312-19, SA479-21 for Chemical Composition ASME SA-276 Sec. II Part A Ed. 2021 for Chemical Composition SAE AMS 5507 H SAE AMS 5524 M SAE AMS QQ-S-763D for Chemical composition. NACE MR0103 / ISO 17945: 2015 NACE MR0175 / ISO 15156-3: 2015 EN 10028-7: 2016		Steel Grade and Quality / Acero UNS S31603 UNS S31600 TYPE 316L/316 1.4404 1.4401																							
Customer's material no. / N° de material del cliente		Product dimensions (Thickness / Width / Length) / Dimensiones (Espesor / Ancho / Largo)		Steelmaking procedure/ Proceso de manufact.		Finish/ Acabado																			
48852		3.05 mm x 1,219.20 mm 0.1200 inch x 48.0000 inch		AOD		IIIc / 2B																			
Packing-No. / N° de Empaque		No. of pieces / Piezas		Actual weight / Peso actual		Actual length / Longitud actual		Coil-No. / Bobina No.		Heat No. / Colada		Inspection lot / Lote de inspeccion		Inepection lot / Lote de inspeccion											
3488921		1		13,647 lb / 6,190 kg		689 ft / 210 m		962168		540247		1000835677		1000835678											
Sum / Suma		1		13,647 lb / 6,190 kg																					
Heat / Colada		Country of Melt / Pais de colada		Chemical composition / Composicion Quimica Chemical analysis per ASTM A751-14a																					
				% C		% Si		% Mn		% P		% S		% Cr		% Mo		% Ni		% N		% Cu		% Co	
540247		USA		0.026		0.34		1.51		0.034		0.0010		16.73		2.01		10.00		0.036		0.48		0.20	
Sample Position / Localiz. de la muestra		TRANSVERSE		Mechanical testing per ASTM A370-18																					
Inspection lot / Lote de inspección		YS0.2% PSI / MPa		YS1,0 PSI / MPa		TS PSI / MPa		El. A80 %		El. 2" %		HRB													
1000835677		45,975 / 317		52,357 / 361		93,401 / 644		45		49		83													
1000835678		48,876 / 337		57,433 / 396		92,095 / 635		45		49		83													
Resistant to intergranular corrosion / Resistente contra corrosión inter-granular:										ASTM A 262-15, PRACTICE E - Sample Acceptable															
Dimensions-surface / Dimensiones-Superficie:										OK															
Positive Material Identification (PMI) / Control de identidad (análisis espectrográfico):										OK															
Heat Treat: Solution anneal 1900°F/1040°C Min, Air and water quench																									
DFARS 225.872-1 Compliant																									
Originator of the document / Originador del documento / Outokumpu Stainless USA, LLC An ISO 9001:2015 certified company ISO 17025:2017 accredited testing lab by ANAB EU PED 2014/68/EU, Annex I, 4.3 certified Certificate is generated automatically / Certificado es generado automaticamente				The information provided is a true copy of data on file / Los valores mostrados corresponden a los datos archivados  Arturo Hernandez Rubio Name of expert / Nombre del experto				Date of issue and validation Fecha de emisión y validación 12/01/2022 This document shall not be altered or reproduced, except in full. Fraudulent, fictitious, or false statements or entries may be prosecuted by law.																	

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Bending test per ASTM E290-14 OK


No welding or weld repairs were performed on this material

No intentional additions of Mercury compounds were made or used

Free of radioactive contamination

EU RoHS Directive 2011/65/EU Compliant

Country of Melt as per ISO 3166-1

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