



ACCORDING TO EN 10204

ISSUE DATE
2020-12-31

E/AOD



304L 304

DIMENSIONS 1.2 mm x 1500 mm x COIL

[illegible]

TEMPERATURE	DIRECTION	POSITION	Rp0.2 MPa	Rp1.0 MPa	Rm MPa	A50 %	A80 %	HRBW HRBW								
Ambient	Transverse	Requirement Min Max	230	260	540 700	40	45	92								
Ambient	Transverse	Head Tail	303	337	634	53	55	87 85								

PASS

Columbus Stainless (Pty) Ltd. declares that the analysis and material on this certification is correct and meets the specifications stated. This document is issued without alteration or erasure and may only be reproduced in full.
Made and melted in South Africa. This Material is PMI Tested.
Visual and dimensional control: no exceptions. The delivery is in accordance with the order.
This material is free from mercury contamination.
The radiation level exhibited by this material is not greater than the normal background level.
This material meets the Hardness requirement of NACE MR0103 / ISO 15156-3 : 2020 & NACE MR0103 / ISO 17945 : 2015
Columbus Stainless is ISO 9001:2015 & ISO 14001:2015 Certified.

Certified by TÜV Rheinland to European Directive 2014/68/EU for Pressure Equipment. Certificate no: 01 202 ZA/O-00 0001

AIR/WATER SPRAY

Permeability I.I Max
Marking: Material Code, MPO No. Manufacturing Brand

COLUMBUS STAINLESS (PTY) LTD
Hendrina Road, Middelburg
Mpumalanga, South Africa

 
O. Snyman

WORKS EXPERT

 COLUMBUS STAINLESS —(Pty) Ltd— P O Box 133 Middelburg 1050 South Africa Switchboard +27 13 247 9111 Fax +27 13 246 1681 Website: http://www.columbusstainless.co.za A Subsidiary of ACERINOX S.A.		INSPECTION CERTIFICATE 3.1 ACCORDING TO EN 10204		 Authorised Representative EC REP Acerinox Europa, S.A.U. C/ Santiago de Compostela no 106. 28035 Madrid Spain Tel: 91 398 51 00/ 91 398 51 Corrosion Resistant Steel for building construction or civil engineering. Regulated substances: No performance determined													
		CERTIFICATE NO 3469914CPR	Rev 1	ISSUE DATE 2020-12-31													
MANUFACTURER'S MARK		INSPECTOR'S STAMP		MELTING PROCESS	E/AOD												
CUSTOMER LSI SPA VIA G. NATTA 7/A PARMA, 43100 Italy		ORDER No. DW04236 CUSTOMER ORDER No. BO-306-OF-2020-0000128 REQUIREMENTS		ITEM No. 5 PART No. N/A	DELIVERY NOTE No. DEL175134 												
SPECIFICATIONS EN 10088-4-2009		MATERIAL GRADE 1.4307 1.4301		CASE MATERIAL MASS QTY OCP1005413 4281370E 7900 Kg 1													
TOLERANCE ISO 9445-2				HEAT No. 428137	TYPE X2CrNi 18-9												
PRODUCT 2B Cold rolled, heat treated, pickled & skin passed stainless steel coil				QUANTITY 1	TOTAL MASS 7900 Kg												
DIMENSIONS 1.2 mm x 1500 mm x COIL																	
CHEMICAL COMPOSITION(%)																	
	C	S	P	Mn	Si	Cr	Ni	N									
Min						17.5	8.0										
Max	0.030	0.015	0.045	2.00	1.00	19.5	10.5	0.10									
Heat	0.026	0.002	0.034	1.16	0.40	18.1	8.1	0.07									
MECHANICAL PROPERTIES																	
TEMPERATURE	DIRECTION	POSITION	Rp0.2 MPa	Rp1.0 MPa	Rm MPa	A80 %											
Ambient	Transverse	Requirement Min	230	260	540	45											
		Max			700												
Ambient	Transverse	Head	303	337	634	55											
		Tail															
INTERGRANULAR CORROSION						Columbus Stainless (Pty) Ltd. certifies that the analysis and material on this certification is correct and meets the specifications stated. This document is issued without alteration or erasure and may only be reproduced in full. Made and melted in South Africa. This Material is PMI Tested. Visual and dimensional control: no exceptions. The delivery is in accordance with the order. This material is free from mercury contamination. The radiation level exhibited by this material is not greater than the normal background level. This material meets the Hardness requirement of NACE MR0175 / ISO 15156-3 : 2020 & NACE MR0103 / ISO 17945 : 2015 Columbus Stainless is ISO 9001:2015 & ISO 14001:2015 Certified. For the Declaration of Performance, please visit www.columbusstainless.co.za/declaration.html											
TEST		RESULT															
ISO 3651-2 Method A		PASS															
HEAT TREATMENT (SOLUTION ANNEALED)																	
Anneal °C		Quench															
1000 - 1100		AIR/ WATER SPRAY															
Permeability 1.1 Max Marking: Material Code, MPO No, Manufacturing Brand						COLUMBUS STAINLESS (PTY) LTD Hendrina Road, Middelburg Mpumalanga, South Africa   Q. Snyman WORKS EXPERT											



MARCEGAGLIA SPECIALTIES										Type/Tipo		3.1 CERTIFICATO DI COLLAUDO EN10204		Number/Numero		10720678616		Creato il		18/11/2020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
- CMS approvato sec AD-2000 W0 con Cert 01 202 I/O-08 5131 di TUV Rheinland (0035), cert. PED 2014/68/UE Annex I §4.3 by TUV Rheinland (0035) - Materiale secondo AD2000 W2 - W10 in ref to EN10028-7 - Materiale conforme a NACE MR0175/MR0103 - ISO15156-1/ISO15156-3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Customer/Cliente LSI-LAMIERE SPECIALI INOX S.P. VIA GIULIO NATTA 7A 43122 PARMA IT												Consignee/Destinatario Merci LSI-LAMIERE SPECIALI INOX S.P. VIA GIULIO NATTA 7A 43122 PARMA IT		Delivery/N° Consegna 8251853387 18/11/2020		Quality Control/Controllo Qualità Q.M.D./RESP. A.Venturini Plant Of/Stab. Gazoldo		Pages/Pagine 2/3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Material/Codice Materiale 50601568										Norm/Norma EN10028-7, EN10088-2, EN10088-4, ASTM A240, ASME SA240, ASTM A480, ASME SA480		Order Nr/ordine 1191280537/20		Client Order/Ordine cliente TEL LORENZO Clienti Date/data cliente 18/11/2020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Description/Descrizione CXF02C 1.20 x 1500 4307/304L SR 6/15 FINITURA "2B"										Quality/Qualità X2CrNi18-9, WNR1.4307, 304L, X5CrNi18-10, 1.4301, 304																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Item 1										Batch/N° Partita 20YT005709	Heat/Colata SD42163	Quantity/Qt.à 8420 KG	Dimensional tolerances/Tol.Dimensionali EN9445-2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			