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 A Subsidiary of ACERINOX S.A.



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 Spain
 16
 0045-CPR-1805
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Corrosion Resistant Steel for building construction or
 civil engineering.

Regulated substances: No performance determined

INSPECTION CERTIFICATE 3.1

ISSUE DATE: 2016-09-20

ACCORDING TO EN 10204

CERTIFICATE NO 3089755

Rev 1

MANUFACTURER'S
MARK



INSPECTOR'S STAMP



MELTING PROCESS

E/AOD

CUSTOMER:

ACERINOX SCANDINAVIA AB
 SANDTAGSGATAN 2
 MALMOE, 21124
 MALMOE
 Sweden

ORDER No.

PW01381

ITEM No.

5

DELIVERY NOTE No.

DEL065443

CUSTOMER ORDER No.

REQUIREMENTS

AD 2000 W2

AD 2000 W10

SPECIFICATIONS

MATERIAL CODE

EN 10088-2-2014	1.4307	1.4301
EN 10028-7-2007	1.4307	1.4301
ASTM A240 / A240M-15B	304L	304
ASME SA240 / SA240M-2015	304L	304
EN 10088-4-2009	1.4307	1.4301

CASE

KPAS24742 4071553BA01 [2075 Kg]

TOLERANCE: ISO 9445-2 ; ASTM A480/480M ; ASME SA480/SA480M

TYPE

X2CrNi 18-9

PRODUCT: 2B: Cold rolled, heat treated, pickled, skin passed.

HEAT No.: 407155

DIMENSIONS: 1.25 mm x 1500 mm x 3000 mm

QUANTITY 47

MASS 2075 Kg

MATERIAL No : 4071553

CHEMICAL COMPOSITION (%)

	C	S	P	Mn	Si	Cr	Ni	N										
Min						17.5	8.0											
Max	0.030	0.015	0.045	2.00	0.75	19.5	10.5	0.10										
Actual	0.024	<0.001	0.022	1.16	0.38	18.1	8.0	0.07										

MECHANICAL PROPERTIES

TEMPERATURE	DIRECTION	POSITION	Rp0.2 MPa	Rp1.0 MPa	Rm MPa	A50 %	A80 %	HRBW HRBW					
Ambient	Transverse	Requirement Min	230	260	540	40	45						
		Max			700			92					
Ambient	Transverse	Head	327	363	685	52	50	84					
		Tail	320	357	688	51		74					

INTERGRANULAR CORROSION

SPECIFICATION	RESULT
PRAC_E	PASS
ISO3651	PASS

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 : 2015 & NACE MR0103 / ISO 17945 : 2015
 Columbus Stainless is ISO 9001:2008 & ISO 14001:2004 Certified.
 For the Declaration of Performance, please visit <http://www.columbusstainless.co.za/declaration>

Certified by TUV Rheinland to European Directive 97/23/EC for Pressure Equipment. Certificate no: 01 202 ZA/Q-000001

HEAT TREATMENT (SOLUTION ANNEALED)

Anneal °C	Quench
1050 - 1100	AIR/ WATER SPRAY

Permeability 1.1 Max
 Marking: Material Code, MPO No, Manufacturers Brand, Inspectors Stamp

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

G. van Niekerk
 WORKS EXPERT