



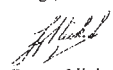


<b>INSPECTION CERTIFICATE 3.1</b>		 <b>COLUMBUS STAINLESS</b> (Pty) Ltd Columbus Stainless (Pty) Ltd P O Box 133 Middelburg 1050 South Africa Switchboard: +27 13 247 9111 Fax: +27 13 246 1681 Website: <a href="http://www.columbus.co.za">http://www.columbus.co.za</a> A Subsidiary of ACERINOX, S.A.		 Authorized Representative EC REP Acerinox Europa, S.A.U. C/ Santiago de Compostela no 100. 28035 Madrid Spain ZA 0045 L3 0045-CPR-1805 Tel: 91 398 51 00 / 91 398 51 02 Corrosion Resistant Steel for building construction or civil engineering. Regulated substances: No performance determined		No. 2889277 - 1 1 / 1 Date 2015/07/07 MANUFACTURER'S MARK  MELTING PROCESS E/AOD									
To: EN 10204		O/A No. PW00722 ITEM No. 003 INSPECTOR'S STAMP 		CUSTOMER BE GROUP OY LOTILA KIRKKAAT/OVET 5-7/ VANHANRADANKATU 42 15522 LAHTI Finland CUSTOMER ORDER No. P032938 REQUIREMENTS AD 2000 W2 AD 2000 W10											
PRODUCT No: 1 1D: Hot rolled, Plate / Coil		HEAT No. 400810 MPO No. * 4008100/4 <small>* The first six numbers are the heat number. The seventh character is the slab indicator and any further characters represent a part of the slab with common mechanical properties.</small>													
SPECIFICATIONS EN 10088-2/14 HOT ROLLED COIL/PLATE EN 10028-7 2007 HOT ROLLED COIL & PLATE ASTM A240 / A240M -15A ASME 2013 SECTION II PART A SA240 EN 10088-4 2009 HOT ROLLED COIL / PLATE		MATERIAL CODE 1.4404 1.4401 1.4404 1.4401 316L 316 316L 316 1.4404 1.4401		CASE JCPL15832 JCPL15835 JCPL15836 JCPL15838											
TOLERANCE ISO9444-02/09 H/R Coil/Plate-ASTMA480/A480M-ASMESA480/SA480M		Delivery Note Number: 21459													
DIMENSIONS 6.000 mm x 1500 mm x 3000 mm		TYPE X2CRNIMO 17-12-2		QUANTITY 19 MASS 3977 kg											
CHEMICAL ANALYSIS			MECHANICAL PROPERTIES												
%	REQUIREMENT		LADLE	Test Direction Transverse	Test Pos.	R <sub>p0.2</sub> 0.2% Proof Stress (NPs)	R <sub>p1.0</sub> 1% Proof Stress (NPs)	R <sub>m</sub> UTS (NPs)	A 5 (% Elongation)	A 50 (% Elongation)	Hardness HRB	Bend Test	Impact Test ISO V	Z (% Reduction of Area)	
	MIN	MAX													
C		0.030	0.024	Ambient Temperature	Head	314	358	614	52	51	86				
S		0.015	0.001		Tail	320	358	603	54	53	86				
P		0.045	0.022	Req @ °C											
Mn		2.00	1.21												
Si		1.00	0.47	Req @ °C											
Ni	10.0	13.0	10.0												
Cr	16.5	18.5	16.6												
Mo	2.00	2.50	2.01												
Ti				ADDITIONAL TEST				INTERGRANULAR CORROSION							
N		0.11	0.04	TEST NAME	RESULT	TEST NAME	RESULT	SPECIFICATION		RESULT					
V								ASTM A262-13:E		Pass					
Co								ISO 3651-2 METHOD A		Pass					
Cu															
Nb															
Sn															
Al				This material is free from mercury contamination. The radiation level exhibited by this material is not greater than the normal background level. This document is issued without alteration or erasure and may only be reproduced in full. Visual and dimensional control: no exceptions. The delivery is in accordance with the order. Made and melted in South Africa. This Material has been PMI Tested. This material meets the Hardness requirement of Nace MR-0175/ISO 15156-3:2009 & MR-0103-2012 Columbus Stainless (Pty) Ltd. certifies that the analysis and material on this certification is correct and meets the specifications stated. Columbus Stainless is ISO 9001:2008 & ISO 14001:2004 Certified. For the Declaration of Performance, please visit <a href="http://www.columbusstainless.co.za/declaration">http://www.columbusstainless.co.za/declaration</a> Certified by TUV Rheinland to European Directive 97/23/EC for Pressure Equipment. Certificate no: 01 202 ZA/Q-00 0001											
HEAT TREATMENT (Solution Annealed)															
Anneal °C		Quench													
1050 - 1100		AIR/SPRAY													
Permeability I.1 Max											<b>COLUMBUS STAINLESS (Pty) Ltd</b> Hendrina Road, Middelburg Mpumalanga, South Africa  G. van Niekerk WORKS EXPERT				