



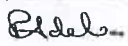


<b>INSPECTION CERTIFICATE 3.1</b> <b>ABNAHMEPRUFZEUGNIS 3.1</b>  To: EN 10204		 <b>COLUMBUS STAINLESS</b> Columbus Stainless (Pty) Ltd P O Box 113 Middelburg 1059 South Africa South Africa - Tel: +27 31 551 1111 Fax: +27 31 551 1111 Website: www.columbusstainless.com A Subsidiary of ACERONEX S.A.		 Authorized Representative LC RJP Acron Group S.A.L. C/ Sarriena de Compañia s/n 100, 29023 Mijas Spain Tel: +34 95 31 96 41 38 31 82 Corrosion Resistant Steel for building construction or civil engineering. Registered in Germany. No performance determined.		No: 2557298 - 1 / 1 / 1 Date: 2013/08/29 MANUFACTURER'S MARK  Tsewefoetseho MEL 1000 PRA 133 <b>E/AOD</b> Fouchevotseho																																																																																																																																	
CLIENT/NER (Kliënt/ner): <b>BE GROUP OY</b> <b>LOTILA KIRKKAAT/OVET 5-7/</b> <b>VANHANRADANKATU 42</b> <b>15522 LAHTI</b> Finland		D/A No. (Order / Order No.): <b>EP15683</b>		ITEM No. (Pos No.): <b>007</b>		INSPECTOR'S STAMP  241 Tseches die Sakeverstandige																																																																																																																																	
CUSTOMER ORDER No. (Bestellingsnommer): <b>P009913</b>		REQUIREMENTS (Aanbevelings): A1 2000 W2 A1 2000 W10 Certified by TÜV Rheinland/Berlin-Brandenburg to European Directive 97/23/EC for Pressure Equipment. Certificate no 01 202 Z-A-Q-000001		HEAT No. (Waaier No.): <b>392187</b>		NPT No. * <b>392187Z/3</b>																																																																																																																																	
PRODUCT (Produktnaam): <b>Warmgeformt, wärmebehandelt, gebeit</b> <b>ID: Hot rolled, heat treated, pickled</b>		* 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 diverse mechanical properties.																																																																																																																																					
SPECIFICATION (Spesifikasie): EN 10088-2 2005 HOT ROLLED COIL & PLATE EN 10028-7 2007 HOT ROLLED COIL & PLATE ASTM A240/A240M-13 ASME SECT IIA ED.2010 ADD.2011 SA240 EN 10088-4 2009 HOT ROLLED COIL / PLATE		MATERIAL CODE (Materiaalkode): 1.4404 1.4401 1.4404 1.4401 316L 316 316L 316 1.4404 1.4401		Field (Veld): HCPL79342 HCPL79343 HCPL79345																																																																																																																																			
TOLERANCE (Toleransie): ISO9444-02/09 H/R Coil/Plate-ASTMA480/A480M-ASMESA480/SA480M		Delivery Note Number: 25595																																																																																																																																					
PRODUCT DIMENSIONS (Produktdimensies): 6.000 mm x 1.500 mm x 3.000 mm		SURFACE (Oppervlakte): <b>X2CRNIMO 17-12-2</b>		QUANTITY (Menge): 12		MASS (Gewig): 2494 kg																																																																																																																																	
CHEMICAL ANALYSIS (Chemiese Samestelling): <table border="1"> <thead> <tr> <th rowspan="2">%</th> <th colspan="2">REQUIREMENT</th> <th rowspan="2">LABEL (Waarheid)</th> </tr> <tr> <th>MIN</th> <th>MAX</th> </tr> </thead> <tbody> <tr><td>C</td><td></td><td>0.030</td><td>0.024</td></tr> <tr><td>S</td><td></td><td>0.015</td><td>0.002</td></tr> <tr><td>P</td><td></td><td>0.045</td><td>0.025</td></tr> <tr><td>Mn</td><td></td><td>2.00</td><td>1.57</td></tr> <tr><td>Si</td><td></td><td>1.00</td><td>0.46</td></tr> <tr><td>Ni</td><td>10.0</td><td>13.0</td><td>10.0</td></tr> <tr><td>Cr</td><td>16.5</td><td>18.5</td><td>16.7</td></tr> <tr><td>Mo</td><td>2.00</td><td>2.50</td><td>2.03</td></tr> <tr><td>Ti</td><td></td><td></td><td></td></tr> <tr><td>N</td><td></td><td>0.11</td><td>0.05</td></tr> <tr><td>V</td><td></td><td></td><td></td></tr> <tr><td>Co</td><td></td><td></td><td></td></tr> <tr><td>Cu</td><td></td><td></td><td></td></tr> <tr><td>Nb</td><td></td><td></td><td></td></tr> <tr><td>Sn</td><td></td><td></td><td></td></tr> <tr><td>Al</td><td></td><td></td><td></td></tr> <tr><td>B</td><td></td><td></td><td></td></tr> </tbody> </table>			%	REQUIREMENT		LABEL (Waarheid)	MIN	MAX	C		0.030	0.024	S		0.015	0.002	P		0.045	0.025	Mn		2.00	1.57	Si		1.00	0.46	Ni	10.0	13.0	10.0	Cr	16.5	18.5	16.7	Mo	2.00	2.50	2.03	Ti				N		0.11	0.05	V				Co				Cu				Nb				Sn				Al				B				MECHANICAL PROPERTIES (Meganiese Eienskappe): <table border="1"> <thead> <tr> <th>Temp. Description (Temperatuur)</th> <th>Size (Proef)</th> <th>Rp0.2 (0.2% Proof Stress) (MPa)</th> <th>Rp0.01 (0.01% Proof Stress) (MPa)</th> <th>Rm (Tensile) (MPa)</th> <th>A5 (5% Elongation) (%)</th> <th>A10 (10% Elongation) (%)</th> <th>Hardness HRB (Hardheid)</th> <th>Hardness HRC (Hardheid)</th> <th>Impact Test Charpy (Impaktoets) (Joules)</th> <th>σ (Yield Stress) (MPa)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Ambient Temperature</td> <td>Head</td> <td>322</td> <td>360</td> <td>624</td> <td>51</td> <td>51</td> <td>88</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Tail</td> <td>332</td> <td>383</td> <td>626</td> <td>49</td> <td>49</td> <td>91</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Req 0.2 °C</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Req 0.01 °C</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Temp. Description (Temperatuur)	Size (Proef)	Rp0.2 (0.2% Proof Stress) (MPa)	Rp0.01 (0.01% Proof Stress) (MPa)	Rm (Tensile) (MPa)	A5 (5% Elongation) (%)	A10 (10% Elongation) (%)	Hardness HRB (Hardheid)	Hardness HRC (Hardheid)	Impact Test Charpy (Impaktoets) (Joules)	σ (Yield Stress) (MPa)	Ambient Temperature	Head	322	360	624	51	51	88				Tail	332	383	626	49	49	91				Req 0.2 °C											Req 0.01 °C										
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Anneal °C (Ovensel °C): 1050 - 1100		Quench (Ovensel): AIR/SPRAY																																																																																																																																					
Permeability I.I. Max			<b>COLUMBUS STAINLESS (Pty) Ltd</b> Hendrina Road, Middelburg Mpumalanga, South Africa  P.H. de Vos DER WERKS SACHVERSTANDIGE																																																																																																																																				