



**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

**CERTIFICATE NO**  
**3537956PED**

**Rev**  
**1**

**ISSUE DATE**  
**2021-12-15**

**MANUFACTURER'S MARK**



**INSPECTOR'S STAMP**



**MELTING PROCESS**

**E/AOD**

### CUSTOMER

OIKI ACCIAI INOSSIDABILI SPA  
VIA PARADIGNA, 95/A  
43100 PARMA 00000  
Italy

### ORDER No.

DW04686

### ITEM No.

2

### DELIVERY NOTE No.

DEL203048

### CUSTOMER ORDER No.

BO-152-100

### PART No.

N/A

### REQUIREMENTS



### SPECIFICATIONS

EN 10088-2-2014

ASTM A240 / A240M-20a

ASME BPVC IIA SA240 / SA240M-2019

### MATERIAL GRADE

1.4016

430

430

### CASE MATERIAL

PCP2007606 4328304B

PCP2007605 4328304A

### MASS QTY

9840 Kg 1

9820 Kg 1

**TOLERANCE** ISO 9445-2 ; ASME SA480/SA480M

2B ; No. 2B

**PRODUCT** Cold rolled, heat treated, pickled & skin passed stainless steel coil

**HEAT No.** 432830

**TYPE** X6Cr 17

**QUANTITY** 2

**TOTAL MASS** 19660 Kg

**DIMENSIONS** 1.2 mm x 1500 mm x COIL

### CHEMICAL COMPOSITION(%)

	C	S	P	Mn	Si	Cr	Ni												
Min						16.0													
Max	0.080	0.015	0.040	1.00	1.00	18.0	0.75												
Heat	0.039	0.001	0.025	0.52	0.48	16.3	0.23												

### MECHANICAL PROPERTIES

TEMPERATURE	DIRECTION	POSITION	Rp0.2 MPa	Rp1.0 MPa	Rm MPa	A50 %	A80 %	HRBW HRBW	Bend										
Ambient	Transverse	Requirement Min	280		450	20	20												
		Max			600			89											
Ambient	Transverse	Head	337	340	532	27	27	83	PASS										
		Tail						84											

### INTERGRANULAR CORROSION

TEST

RESULT

ISO 3651-2 Method A

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 : 2020 & NACE MR0103 / ISO 17945 : 2015  
Columbus Stainless is ISO 9001:2015 & ISO 14001:2015 Certified.

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

### HEAT TREATMENT (SOLUTION ANNEALED)

Anneal °C

Quench

810 - 830

AIR/ WATER SPRAY








Number on material might differ from this document due to a split in material after marking, with a character and/or number added to the end.

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

Q. Snyman



**WORKS EXPERT**

 <p><b>COLUMBUS STAINLESS</b> —(Pty) Ltd—</p> <p>P O Box 133 Middelburg 1050 South Africa Switchboard +27 13 247 9111 Fax +27 13 246 1681 Website: <a href="http://www.columbusstainless.co.za">http://www.columbusstainless.co.za</a> A Subsidiary of ACERINOX S.A.</p>		<p><b>INSPECTION CERTIFICATE 3.1</b></p> <p>ACCORDING TO EN 10204</p>		 <p>Authorised Representative EC REP Acerinox Europa, S.A.U. C/ Santiago de Compostela no 100. 28035 13 Madrid Spain Tel: 91 398 51 00/ 91 398 51 Corrosion Resistant Steel for building construction or civil engineering. Regulated substances: No performance determined</p>													
		<p><b>CERTIFICATE NO</b> 3537956CPR</p>	<p><b>Rev</b> 1</p>	<p><b>ISSUE DATE</b> 2021-12-15</p>													
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