

Certificate

Quality-Assurance System for Manufacturer of Materials acc. to Directive 97/23/EC

Certificate no.: 01 202 ZA/Q 00 0001

Name and address of the
manufacturer:

**Columbus Stainless (Pty) Ltd.
Hendrina Road
Middelburg
South Africa**

Herewith we certify that the material manufacturer has established and applies a Quality Management System. The system was audited according to the European Directive 97/23/EC, Annex I, Par. 4.3, with regard to the materials as listed in the scope of approval.

Tested acc. to Directive
97/23/EC:

**QM System acc. to EN 764-5, article 4.2 and
AD 2000-Merkblatt W0**

Audit report no.:

ZA/Q 00 0001

Range of materials:

Manufacturing of 0.25 to 63.5mm Austenitic, Ferritic and Duplex
Stainless Steel, see annex to certificate

Manufacturing plant:

**Columbus Stainless (Pty) Ltd.
Hendrina Road
Middelburg
South Africa**

Valid until:

August 31, 2018

Cologne, November 26, 2015

Dipl.-Wirt.-Ing. Smitha Pazhamannil



TÜV Rheinland-Certification Body for
Pressure Equipment
TÜV Rheinland Industrie Service GmbH
Notified Body, ID-No. 0035
Am Grauen Stein, D-51105 Köln

E-106b-Rev7

Annex to Certificate No.: 01 202 ZA/Q 00 0001
Details of the Validity of the Approval as Manufacturer of Materials in accordance to DGR 97/23/EC and AD2000-W0/TRD 100 respectively

Manufacturer		Work		Nationality	Date	Page No.	TÜV-Name /Stamp	
Company Name: Columbus Stainless (Pty) Ltd.		Middelburg		RSA	June 2015	1	TÜV Rheinland	
Location: Hendrina Road, Middelburg, South Africa					Rev.: 01	of : 1	Industrie Service GmbH	
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions Thickness mm	Weight max 1=t / 2=kg	Technical Specifications Requirements Technical Regulations	Remarks
1	2	3	4	5	6a 6b 7a 7b 8a 8b	9		10
The use of the materials according to DGR 97/23/EC is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.								
01	Austenitic Stainless Steels 1.4301, 1.4306, 1.4401, 1.4404, 1.4406, 1.4541, 1.4571, 1.4307	EN 10028-7	AT	Plate	2.5 63.5		PED AD2000-W2, AD2000-W10	
02	Austenitic Stainless Steels 1.4301, 1.4306, 1.4401, 1.4404, 1.4406, 1.4541, 1.4571, 1.4307	EN 10028-7	AT	Hot rolled coil and sheet	2.5 12.0		PED AD2000-W2, AD2000-W10	
03	Austenitic Stainless Steels 1.4301, 1.4306, 1.4401, 1.4404, 1.4406, 1.4541, 1.4571, 1.4307	EN 10028-7	AT	Cold rolled coil and sheet	0.5 6.0		PED AD2000-W2, AD2000-W10	
04	1.4432, 1.4435, 1.4436	EN 10028-7	AT	Plate	2.5 63.5		PED, AD2000-W2	
05	1.4432, 1.4435, 1.4436	EN 10028-7	AT	Hot rolled coil and sheet	2.5 16.0		PED, AD2000-W2	
06	1.4432, 1.4435, 1.4436	EN 10028-7	AT	Cold rolled coil and sheet	0.5 6.0		PED, AD2000-W2	
07	Duplex Stainless Steel 1.4462, 1.4362	EN 10028-7	AT	Plate	8.0 30.0		PED	
08	Duplex Stainless Steel 1.4462, 1.4362	EN 10028-7	AT	Hot rolled coil and sheet	4.5 6.0		PED	
09	Duplex Stainless Steel 1.4482	EN 10088-2	AT	Plate	8.0 30.0		PED	PMA
10	Duplex Stainless Steel 1.4482	EN 10088-2	AT	Hot rolled coil and sheet	4.5 6.0		PED	PMA
Remarks		* AT = solution treated N = Normalized or normalizing formed SR = stress relieved M = thermo mechanical treated AR = not treated		QT = quenched and tempered NT = normalized and tempered S = soft annealed	a = material b = delivery condition c = article d = dimensions in tech. regulations e = weight f = No. of tech. regulation			