



CERTIFICATE - ZEUGNIS - CERTIFICAT

Invoice No.  
Rechnung Nr.  
N° de facture

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EN 10204 - 3.1  
16103126-EN-0

Business Unit / QCM  
BA Quarto Plate, Quarto Plate Europe

Date Datum Date  
27-Oct-2016

Load, Lading, Charge No  
141700

Acknowledged ID, Bestätigung, Commande ID  
300406723

Your ref., Ihre Ref., Votre ref. 203276		Requirements, Anforderungen, Exigences AD 2000 W2, W10 & EN10028-7, PED 2014/68/EU EN 10088-2:14 EN 10088-4:2009 ASME SA-240M Code Sect. II, Part A:2015 ASTM A240M / NACE MR0175/ ISO 15156-3:16/2003/2009 EN10029N/A480/A480M EN10029B/A480/A480M LN: 0.0/+500.0 (mm) WD: 0.0/+150.0 (mm)	
Buyer, Besteller, Acheteur OUTOKUMPU STAINLESS DISTRIBUTION SL2 BUILDING, EUROPA LINK S9 1ZT, SHEFFIELD ENGLAND			
Consignee, Empfänger, Lieu de livraison Outokumpu Stainless Distribution Special Products Centre (SPC)			
Mark of Manufacturer Zeichen des Lieferwerkes Signe de producteur 	Process Erschmelzungsart Mode de fusion E+AOD	Inspector's stamp Zeichen des Sachverständigen Poicon de l'expert 	Grade, Werkstoff, Nuance 1.4401 316 1.4404 316L

Product, Erzeugnisform, Produit  
Stainless steel hot rolled, Plate, 1D, Cut edge

Line Reihe Ligne	Item Position Poste	Heat-Lot No Schmelz-Lot Nr Coulée n° - Lot No	Size Abmessungen Dimensions	Pieces Stückzahl Nombre	Quantity/Unit Menge/Einheit Quantité/Unité
1	1	161582-318565:0	15,0 X 2000,0 X 6000,0 mm	2	

1	Plate No, Blech Nr, Tôle No 4714 2901,-3202
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Chemical composition - Chemische Zusammensetzung - Composition chimique %  
Heat - Schmelze - coulée No

	C	Si	Mn	P	S	Cr	Ni	Mo	N
Min						16.5	10.0	2.00	
Max	0.030	0.75	2.00	0.045	0.015	18.0	10.0	2.50	0.10
161582	0.018	0.46	1.34	0.033	0.001	17.0	10.1	2.03	0.04

Distribution Certificate via e-Services	Direct T = Transverse L = Longitudinal	Top/Bot F = Front B = Back	Form P = Flat C = Round	Location 1 = Center 2 = Close to Surface 3 = Standard 4 = At 1/4 of thickness
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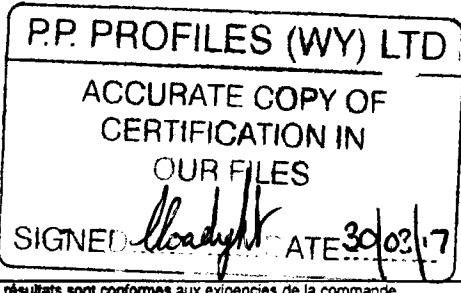
Test results - Prüfergebnisse - Résultats des essais (1N/mm<sup>2</sup> = 1MPa)

**Corrosion**  
EN ISO 3651-2 Method A  
Plate-no Result  
2701F OK

**Mechanical properties**  
Tensile testing/Hardness Rockwell B

Plate-no	Direct	Top/Bot	Location	Form	Temp. °C	Rp 0.2 MPa	Rp 1.0 MPa	Rm MPa	A5 %	A50 %	HRB
Min						220	260	520	45	40	
Max								670			95
2701	T	F	2	P	20,0	258	289	561	62	66	78

**Other Information**  
Heat treated at 1100°C and Quenched in water.  
Dimensional control, visual inspection and grade check (PMI): Approved  
Certified acc. to AD2000-Guideline W0 and  
Pressure Equipment Directive (2014/68/EU)  
annex I, sec. 4.3 by Certification body for  
pressure equipment of the TÜV NORD Systems  
notified body, reg.-no. 0045  
Construction Products Regulation (305/2011/EU)  
The Declaration of Performance (DoP), see www.outokumpu.com



The results comply with the requirements of the order - Die gestellten Anforderungen sind erfüllt - Les résultats sont conformes aux exigences de la commande

Outokumpu Stainless AB  
BA Quarto Plate, Quarto Plate Europe  
SE - 693 81 DEGERFORS  
SWEDEN  
Regoffice: SWEDEN  
V.A.T no: SE556001874801  
Regno: 556001-8748

Computer generated original  
Quality Inspector  
**Raimo Rantanen**  
Raimo Rantanen

