



Business Unit / QCM

**BA Quarto Plate, Quarto Plate Europe**

Date Datum Date  
**20-Jun-2017**

Load, Ladung, Charge No  
**153633**

Acknowledged ID, Bestätigung, Commande ID  
**300436859**

Your ref, Ihre Ref., Votre ref <b>116816</b>		Requirements, Anforderungen, Exigences <b>AD 2000 W2, W10 &amp; 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 15156-3:16a/2015</b>	
Buyer, Besteller, Acheteur <b>OUTOKUMPU PSC NORDIC AB SALES OPERATIONS Industrigatan 2 693 35, DEGERFORS SVERIGE</b>			
Consignee, Empfänger, Lieu de livraison <b>OUTOKUMPU PSC NORDIC AB SALES OPERATIONS</b>			
Mark of Manufacturer Zeichen des Lieferwerkes Signe de producteur 	Process Erschmelzungsart Mode de fusion <b>E+AOD</b>	Inspector's stamp Zeichen des Sachverständigen Poinçon de l'expert 	Grade, Werkstoff, Nuance <b>1.4401 1.4404 316 316L</b>

Product, Erzeugnisform, Produit  
**Stainless steel hot rolled, Plate, 1D/No.1, Cut edge**

Line Reihe Ligne	Item Position Poste	Heat-Lot No Schmelze-Lot Nr Coulée n° - Lot No	Size Abmessungen Dimensions	Pieces Stückzahl Nombre	Quantity/unit, Menge/Einheit, Quantité/Unité
1	1	571827-330876:0	30,0 X 2000,0 X 6000,0 mm	1	

1	Plate No, Blech Nr, Tôle No <b>5519 2101</b>
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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	13.0	2.50	0.10		
571827	0.021	0.46	1.25	0.033	0.001	17.0	10.1	2.03	0.05		

Distribution <b>Certificate via e-Services</b>	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/mm² = 1MPa)

**Corrosion**  
**EN ISO 3651-2 Method A**  
Plate-no Result  
2101F 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	HRB
Max								670			95
2101	T	F	2	C	20,0	268	306	567	59	61	78

**Charpy impact test (V-notch) EN ISO 148-1**

Plate-no	Direct.	Top/Bot	Location	Form	Temp. °C	Value1 J	Value2 J	Value3 J	Average J
Min									60
2101	T	F	2	P	20,0	399	380	390	390

**Other Information**

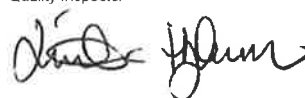
Heat treated at 1100°C and Quenched in water.  
Dimensional control, visual inspection and grade check (PMI): Approved

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

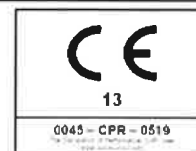
Outokumpu Stainless AB  
BA Quarto Plate, Quarto Plate Europe  
SE-, 693 81 DEGERFORS  
SWEDEN  
Regoffice: SWEDEN

V.A.T no: SE556001874801  
Regno: 556001-8748

Computer generated original  
Quality Inspector



Linda Hjalmarsson



**EN 10204 - 3.1**

**17061715-EN-0**

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Certified acc. to AD2000-Guideline W0 and  
Pressure Equipment Directive (2014/68/EU)  
annex I, sec. 4.3 by the notified 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](http://www.outokumpu.com)

Tolerance

Flatness tolerance

Length

Thickness

Width

Standard

EN 18286/A480/M/EN 10029

Manual

EN 18286/A480/M/EN 10029

Manual

Class

ISO 18286 N/A480/M/EN 10029 N

0.0/+500.0 (mm)

ISO 18286/A480/M/EN 10029 B

0.0/+150.0 (mm)

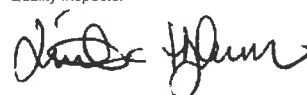
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