

EN 10204 - 3.1
18060865-EN-0

Business Unit / QCM

BA Quarto Plate, Quarto Plate Europe

Date Datum Date

15-Jun-2018



Load, Ladung, Charge No

172024

Acknowledged ID, Bestätigung, Commande ID

300474606

Your ref, Ihre Ref., Votre ref 007636-1		Requirements, Anforderungen, Exigences EN 10088-4:2009 EN 10088-2:14 EN 10028-7, PED 2014/68/EU:16 ASME SA-240M Code Sect. II. Part A:2017 ASTM A240M:17	
Buyer, Besteller, Acheteur Ovako Metals Oy Ab ATOMITIE 5 A 00370, HELSINKI FINLAND			
Consignee, Empfänger, Lieu de livraison Ovako Metals Oy Ab			

Mark of Manufacturer Zeichen des Lieferwerkes Signe de producteur 	Process Erschmelzungsart Mode de fusion E+AOD	Inspector's stamp Zeichen des Sachverständigen Poinçon de l'expert 	Grade, Werkstoff, Nuance 1.4401 316 1.4404 316L
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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	3	582078-350784:0	15,0 X 1500,0 X 3000,0 mm	4	

Plate No, Blech Nr, Tôle No 1 6961 2301-1,-2,-3,-4

Chemical composition - Chemische Zusammensetzung - Composition chimique %
Heat - Schmelze - coulee 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				
582078	0.017	0.47	1.25	0.029	0.001	17.0	10.1	2.05	0.05				

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/mm² = 1MPa)

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 HRB
Min						220	260	520	45	40	
Max								670			95
2301	T	F	2	P	20,0	262	295	576	60	64	80

Other Information
Heat treated at 1050°C and Quenched in water.
Dimensional control, visual inspection and grade check (PMI): Approved
Approved acc. to AD2000-Merkblatt W0 and certified acc. to
Pressure Equipment Directive (2014/68/EU) by
TUEV NORD, notified body, reg.no. 0045
Construction Products Regulation (305/2011/EU)
The Declaration of Performance (DoP), see www.outokumpu.com

Tolerance	Standard	Class
Flatness tolerance	EN 18286/A480/M/EN 10029	ISO 18286 N/A480/M/EN 10029 N
Length	EN 18286/A480/M/EN 10029	ISO 18286 A/A480/M/EN 10029
Thickness	EN 18286/A480/M/EN 10029	ISO 18286/A480/M/EN 10029 B
Width	EN 18286/A480/M/EN 10029	ISO 18286 A/A480/M/EN 10029

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