



EN 10204 - 3.1
19012474-EN-0

Business Unit / QCM

BA Quarto Plate, Quarto Plate Europe

Date Datum Date

24-Jan-2019

Load, Ladung, Charge No

181831

Acknowledged ID, Bestätigung, Commande ID

300497589

Your ref., Ihre Ref., Votre ref 009634-1		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	Inspector's stamp Zeichen des Sachverständigen Poinçon de l'expert	Grade, Werkstoff, Nuance
	E+AOD		1.4301 304 1.4307 304L

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	182376-362088:0	15,0 X 1500,0 X 3000,0 mm	6	

Plate No, Blech Nr, Tôle No
1 7637 1101-1,-2,-3,-4,-5,-6

Chemical composition - Chemische Zusammensetzung - Composition chimique %
Heat - Schmelze - coulee No

	C	Si	Mn	P	S	Cr	Ni	N					
Min						17.5	8.0						
Max	0.030	0.75	2.00	0.045	0.015	19.5	10.5	0.10					
182376	0.019	0.35	1.59	0.033	0.001	18.4	8.2	0.07					

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

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						210	250	520	45	40	
Max								700			92
2901	T	F	2	P	20,0	267	302	586	61	65	80

Other Information
Country of origin (heat) :England
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

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

