


Business Unit / QCM Date Datum Date Load, Ladung, Charge No Acknowledged ID, Bestätigung, Commande ID  
**Avesta Works / Jerker Sterneland 25-Jun-2018 FI/172402 6610/300479830**

Your ref, Ihre Ref., Votre ref <b>008271-1.</b>		Requirements, Anforderungen, Exigences <b>ASTM A 240M-17 ASME BPVC SEC II PART A SA-240/SA-240M Ed 2017 EN 10088-2:2014 EN 10028-7:2016 AD 2000 W2, W10 &amp; EN 10028-7 NACE MR0175 / ISO 15156-3:2015 EN ISO 9444-2 / ASTM A480M</b>	
Buyer, Besteller, Acheteur <b>Ovako Metals Oy Ab ATOMITIE 5 A FI 00370, HELSINKI FINLAND</b>			
Consignee, Empfänger, Lieu de livraison <b>Ovako Metals Oy Ab</b>			

Mark of Manufacturer Zeichen des Lieferwerkes Signe de producteur <b>outokumpu</b>	Process Erschmelzungsart Mode de fusion <b>E+AOD</b>	Inspector's stamp Zeichen des Sachverständigen Poicon de l'expert 	Grade, Werkstoff, Nuance <b>Outokumpu Core 304L/4307 TYPE 304 TYPE 304L 1.4301 1.4307</b>
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Product, Erzeugnisform, Produit  
**Stainless Steel Hot Rolled, Coil-Plate  
finish 1D, 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	E180919-776	10,00 X 1500 X 3000 mm	14	5019 KG

Chemical composition – Chemische Zusammensetzung – Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N
Heat	.021	.32	1.30	.033	.001	18.18	8.07	.40	.010	.017	.47	.168	.063

Radioactive contamination check acc. IAEA recommendations: **Approved**

Test results – Prüfergebnisse – Results dessais (1N/mm² = 1 MPa) F = Front – Anfan – Debut B = Back – Ende – Fin T = Transverse – Quer – Travers

Test Ref	Temp °C	RP			RM		A5		2"		HB	
		0.2	1.0	1.0	N/MM2	N/MM2	%	%	HB	HB		
Min	+20	230	260	260	520	45	40					
Max					700						201	
	+20				627	57	59				192	
					629	57	59				187	

**Material conforms to NACE MR0175 / ISO 15156-3 in supplied condition**  
**Corrosion acc. ASTM A 262-E, EN ISO 3651-2A: Approved**  
**Heat treatment / Solution annealed: Material temp minimum 1040 °C / Quenched (forced air + water)**  
**Steel grade verification (PMI-spectroscopic): Approved**  
**Marking, visual insp. and gauge measurement: Approved**  
**Certified acc. Pressure Equipment Directive (2014/68/EU) by TÜV CERT-Certification body**  
**for pressure equipment of the TÜV NORD Systems; notified body, reg-no. 0045.**