

Business Unit / QCM

Avesta Works / Jerker Sterneland

Date Datum Date

22-Jan-2020



Load, Ladung, Charge No

FI/199884

Acknowledged ID, Bestätigung, Commande ID

6610/300549082

Your ref, Ihre Ref., Votre ref 13530.		Requirements, Anforderungen, Exigences <b>ASTM A 240M-18</b> <b>ASME BPVC SEC II PART A SA-240/SA-240M Ed 2019</b> <b>EN 10088-2:2014</b> <b>EN 10028-7:2016</b> <b>AD 2000 W2, W10 &amp; EN 10028-7</b> <b>NACE MR0175 / ISO 15156-3:2015</b> <b>EN ISO 9444-2 / ASTM A480M</b>	
Buyer, Besteller, Acheteur HTM Yhtiöt Oy Tiilitehtaantie 23 FI 12310, RYTTYLÄ FINLAND			
Consignee, Empfänger, Lieu de livraison HTM Yhtiöt Oy			

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</b> <b>TYPE 304</b> <b>TYPE 304L</b> <b>1.4301</b> <b>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	594587-005	10,00 X 1500 X 3000 mm	14	5001 KG

Chemical composition – Chemische Zusammensetzung – Composition chimiques														
	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N	
Heat	.018	.32	1.39	.033	.001	18.10	8.04	.55	.004	.003	.36	.15	.056	

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	RP 0.2	RP 1.0	RM	A5	2"	HB		
	°C	N/MM2	N/MM2	N/MM2	%	%	HB		
Min	+20	230	260	520	45	40			
Max				700			201		
F T	+20	303	345	620	57	59	183		
B T		304	345	618	60	62	178		

**Certified acc. to AD 2000-Merkblatt W0 by TÜV NORD, notified body, Reg-No. 0045**  
**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. to PED 2014/68/EU by TÜV NORD, notified body, Reg-No. 0045**