

Business Unit / QCM

Avesta Works / Jerker Sterneland

Date Datum Date

20-Sep-2018


Load, Ladung, Charge No

FI/176086

Acknowledged ID, Bestätigung, Commande ID

6610/300495348

Your ref, Ihre Ref., Votre ref 12059		Requirements, Anforderungen, Exigences ASTM A 240M-17 ASME BPVC SEC II PART A SA-240/SA-240M Ed 2017 EN 10088-2:2014 EN 10028-7:2016 EN 10088-4:2009 ASTM A 480	
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 outokumpu	Process Erschmelzungsart Mode de fusion E+AOD	Inspector's stamp Zeichen des Sachverständigen Poicon de l'expert 	Grade, Werkstoff, Nuance Outokumpu Core 304L/4307 TYPE 304 TYPE 304L 1.4301 1.4307
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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	583201-004	10,00 X 1500 X 3000 mm	5	1797 KG

Chemical composition – Chemische Zusammensetzung – Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N
Heat	.019	.33	1.13	.031	.002	18.09	8.04	1.45	.002	.002	.32	.170	.070

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

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

Test Ref	Temp °C	RP 0.2 N/MM2	RP 1.0 N/MM2	RM N/MM2	A5 %	2" %	HB
Min	+20	230	260	520	45	40	HB
Max				700			201
F T	+20	344	399	646	56	58	201
B T		353	410	651	53	55	201

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.