

Business Unit / QCM

Avesta Works / Jerker Sterneland

Date Datum Date

22-Jan-2019

Load, Ladung, Charge No

FI/181765

Acknowledged ID, Bestätigung, Commande ID

6610/300508112

Your ref, Ihre Ref., Votre ref 12397		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 NACE MR0175 / ISO 15156-3:2015 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	Process Erschmelzungsart Mode de fusion	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
	E+AOD		

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	584989-004	12,00 X 1500 X 3000 mm	10	4289 KG

Chemical composition – Chemische Zusammensetzung – Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N
Heat	.021	.34	1.34	.034	.001	18.20	8.08	.57	.016	.007	.34	.140	.078

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	RP 1.0	RM	A5	2"	HB
		N/MM2	N/MM2	N/MM2	%	%	HB
Min	+20	230	260	520	45	40	
Max				700			201
F T	+20	338	387	634	58	61	196
B T		343	392	640	56	58	196

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.