

Business Unit / QCM

Avesta Works / Jerker Sterneland

Date Datum Date


13-Nov-2019

Load, Ladung, Charge No

FI/196660

Acknowledged ID, Bestätigung, Commande ID

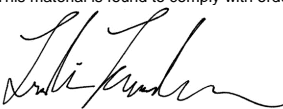
6610/300543918

Your ref, Ihre Ref., Votre ref 13409		Requirements, Anforderungen, Exigences ASTM A 240M-18 ASME BPVC SEC II PART A SA-240/SA-240M Ed 2019 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 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										
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	12738-005	10,00 X 1500 X 3000 mm	4	1435 KG								
Chemical composition – Chemische Zusammensetzung – Composition chimiques													
	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N
Heat	.021	.45	1.54	.034	.001	18.22	8.06	.36	.009	.008	.49	.16	.061
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	316	356	620	58	59	187					
	B T		317	358	621	58	60	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. to PED 2014/68/EU by TÜV NORD, notified body, Reg-No. 0045													

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This material is found to comply with order requirements


Joakim Johansson
Authorized Inspector

