



Business Unit / QCM
Avesta Works / Johan Nordström

Date Datum Date
09-Nov-2017

Load, Ladung, Charge No
FI/160607

Acknowledged ID, Bestätigung, Commande ID
6610/300449189

Your ref, Ihre Ref., Votre ref 10770.		Requirements, Anforderungen, Exigences ASTM A 240M-16a ASME BPVC SEC II PART A SA-240/SA-240M Ed 2017 EN 10088-2:2014 EN 10028-7:2016 AD 2000 W2, W10 & EN 10028-7 NACE MR0175 / ISO 15156-3:2015 EN ISO 9444-2 / ASTM A480M											
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	E171774-703	10,00 X 1500 X 3000 mm	14	4987 KG								
Chemical composition - Chemische Zusammensetzung - Composition chimiques													
Heat	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N
	.015	.34	1.47	.035	.001	18.45	8.15	.38	.006	.025	.52	.177	.065
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	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	328	379	627	56	58	192					
B	T		330	382	629	56	58	192					
<p>Material conforms to NACE MR0175/ISO 15156 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.</p>													

