



Business Unit / QCM
Avesta Works / Johan Nordström

Date Datum Date
02-Feb-2018

Load, Ladung, Charge No
FI/165192

Acknowledged ID, Bestätigung, Commande ID
6610/300461265

Your ref, Ihre Ref., Votre ref 11100		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 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 	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	9	580118-004	10,00 X 1500 X 3000 mm	14	5025 KG

Chemical composition - Chemische Zusammensetzung - Composition chimiques

Heat	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N
	.019	.31	1.13	.033	.001	18.35	8.08	.38	.003	.008	.32	.170	.076

Radioactive contamination check acc. IAEA recommendations: Approved

Test results - Prüfergebnisse - Results desais (1N/mm² = 1 MPa) F = Front - Anfang - 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	201
Max				700			196
F T	+20	319	369	621	58	60	201
B T		324	375	626	56	58	201

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.