



Business Unit / QCM

Date Datum Date

Load, Ladung, Charge No

Acknowledged ID, Bestätigung, Commande ID

Avesta Works / Jerker Sterneland

28-Feb-2020

FI/201991

6610/300552249

Your ref, Ihre Ref., Votre ref 13593.		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 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 Supra 316L/4404 TYPE 316 TYPE 316L 1.4401 1.4404										
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	3	500582-003	10,00 X 1500 X 3000 mm	15	5425 KG								
Chemical composition – Chemische Zusammensetzung – Composition chimiques													
	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N
Heat	.019	.47	1.24	.034	.001	16.87	10.05	2.01	.004	.014	.43	.29	.045
Radioactive contamination check acc. IAEA recommendations: Approved													
Test results – Prüfergebnisse – Results dessais (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	240	270	530	40	40	HB					
Max					680			217					
	F T	+20	282	319	577	60	62	170					
	B T		299	342	593	56	58	174					
Certified acc. to AD 2000-Merkblatt W0 by TÜV NORD, notified body, Reg-No. 0045													
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													