

Business Unit / QCM

Avesta Works / Jerker Sterneland

Date Datum Date

25-Mar-2021



Load, Ladung, Charge No

FI/221106

Acknowledged ID, Bestätigung, Commande ID

6610/300597905

Your ref, Ihre Ref., Votre ref 018346-1		Requirements, Anforderungen, Exigences ASTM A240/A240M-20a 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 Ovako Metals Oy Ab ATOMITIE 5 A FI 00370, HELSINKI FINLAND			
Consignee, Empfänger, Lieu de livraison Ovako Metals Oy Ab			

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 Supra 316L/4404 TYPE 316 TYPE 316L 1.4401 1.4404
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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	1	E210380-775	10,00 X 1500 X 3000 mm	8	2913 KG

Chemical composition – Chemische Zusammensetzung – Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N
Heat	.017	.45	1.42	.031	.001	16.95	10.08	2.03	.004	.030	.51	.35	.042

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			RM	A5	2"	HB
		0.2	1.0	MM2	N/MM2	%	%	HB
Min	+20	240	270		530	40	40	
Max					680			217
F T	+20	322	359		596	56	58	183
B T		326	362		593	57	59	183

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