



Business Unit / QCM

Avesta Works / Jerker Sterneland

Date Datum Date

30-Jun-2020

Load, Ladung, Charge No

FI/208524

Acknowledged ID, Bestätigung, Commande ID

6610/300568684

Your ref, Ihre Ref., Votre ref 016160-1		Requirements, Anforderungen, Exigences ASTM A240/A240M-19 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 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
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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	502285-002	10,00 X 1500 X 3000 mm	15	5439 KG

Chemical composition – Chemische Zusammensetzung – Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N
Heat	.021	.49	1.34	.034	.001	17.05	10.07	2.05	.006	.031	.49	.27	.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 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	321	358	605	56	58	178
B T		307	343	595	58	60	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