

Business Unit / QCM
Avesta Works / Johan Nordström

Your ref, Ihre Ref., Votre ref
11100

Buyer, Besteller, Acheteur
HTM Yhtiöt Oy
Tiilitehtaantie 23
FI 12310, RYTTYLÄ
FINLAND

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

Consignee, Empfänger, Lieu de livraison
HTM Yhtiöt Oy

Mark of Manufacturer
Zeichen des Lieferwerkes
Signe de producteur

Process
Erschmelzungsart
Mode de fusion

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

outokumpu 

E+AOD



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	10	574969-001	12,00 X 1500 X 3000 mm	10	4293 KG

Chemical composition - Chemische Zusammensetzung - Composition chimiques

Heat	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N
	.022	.29	1.13	.034	.001	18.13	8.05	.39	.003	.012	.38	.140	.060

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 °C	RP 0.2 N/MM2	RP 1.0 N/MM2	RM N/MM2	A5 %	2" %	HB
Min	+20	230	260	520	45	40	HB
Max				700			201
F T	+20	324	369	627	58	60	187
B T		340	387	638	57	60	196

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.

