



Business Unit / QCM

Avesta Works / Jerker Sterneland

Date Datum Date
09-Feb-2021

Load, Ladung, Charge No
IT/218577

Acknowledged ID, Bestätigung, Commande ID
6610/360020777

Your ref, Ihre Ref., Votre ref
509960

Buyer, Besteller, Acheteur
**OUTOKUMPU SPA
VIA AGNELLO, 8
IT 20121, MILANO
ITALY**

Consignee, Empfänger, Lieu de livraison
OUTOKUMPU S.P.A.

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 10088-4:2009
NACE MR0103 / ISO 17945:2015
MILL TOLERANCE STANDARD**

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**

Product, Erzeugnisform, Produit
**Stainless Steel Hot Rolled, Coil
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	5	510444-001	10,00 X 1500 mm	1	22120 KG

Chemical composition - Chemische Zusammensetzung - Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N
Heat	.021	.33	1.35	.035	.001	18.34	8.09	.40	.002	.011	.37	.16	.063

Radioactive contamination check acc. IAEA recommendations: **Approved**

Test results - Prüfergebnisse - Résultats des essais (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	HB
Max				700			201
F T	+20	335	374	627	57	59	192
B T		339	377	629	55	57	196

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

Material conforms to NACE MR0103 / ISO 17945 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

Vs. Ord. 18
Ns.DDT. 4384 of
Del 02/04/2021



Outokumpu Stainless AB
Business Area Europe
AVESTA WORKS
SWEDEN
Regoffice: Stockholm SWEDEN, Regno: 556001-8748

Telephone: + 46 (0)226 811 73
Fax: + 46 (0)226 816 46
V.A.T no: SE556001874801

This material is found to comply with requirements

Joakim Johansson
Authorized Inspector

