

COMPONENTE: VESSEL PART:	LOTTO: LOT:	MATERIALE MATERIAL	FORNITORE SUPPLIER	CERTIFICATO CERTIFICATE	COLATA HEAT
TELAIO FRAME	10101	AISI 304L 1.4307	OUTOKUMPU SPA 436970 / 2021	1000938833	504608-004

outokumpu
high performance stainless steel



CERTIFICATE - ZEUGNIS - CERTIFICAT

EN 10204-3.1

2659148-EN

Invoice No.
Rechnung Nr.
N° de facture
6610/1000938833

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Business Unit / QCM

Avesta Works / Jerker Sterneland

Date Datum Date
18-Jan-2021

Load, Ladung, Charge No
IT/217272

Acknowledged ID, Bestätigung, Commande ID
6610/360020625

Your ref, Ihre Ref., Votre ref
509900-

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 Cold Rolled, Coil
finish 2B, 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	4	504608-004	8,00 X 1500 mm	1	21860 KG

Chemical composition - Chemische Zusammensetzung - Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N
Heat	.027	.36	1.36	.033	.001	18.08	8.05	.38	.003	.004	.33	.16	.056

Radioactive contamination check acc. IAEA recommendations: Approved

Test results - Prüfergebnisse - Résultats des essais (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	540	45	40	
Max				700			201
F T	+20	290	324	634	58	59	170
B T		293	327	633	56	57	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

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.

Ns.DDT.

Del

Handwritten signature and date: 03/03/2021



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This material is found to comply with order requirements

Handwritten signature: Joakim Johansson
Authorized Inspector



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Outokumpu Stainless AB
www.outokumpu.com/outokumpu/avesta