

COMPONENTE: VESSEL PART:	LOTTO: LOT:	MATERIALE MATERIAL	FORNITORE SUPPLIER	CERTIFICATO CERTIFICATE	COLATA HEAT
TELAIO FRAME	10105	AIISI 304L 1.4307	OUTOKUMPU SPA 438620 / 2021	1000946878	510443-004



CERTIFICATE - ZEUGNIS - CERTIFICAT

EN 10204-3.1

2663587-EN

Invoice No.
Rechnung Nr.
N° de facture
6610/1000946878

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Business Unit / QCM

Avesta Works / Jerker Sterneland

Date Datum Date

10-Feb-2021

Load, Ladung, Charge No

IT/218664

Acknowledged ID, Bestätigung, Commande ID

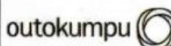
6610/360020777

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.

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



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

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	7	510443-004	12,00 X 1500 mm	1	23040 KG

Chemical composition - Chemische Zusammensetzung - Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	Nb	Cu	Co	N
Heat	.021	.35	1.37	.032	.001	18.12	8.05	.47	.004	.006	.38	.16	.069

Radioactive contamination check acc. IAEA recommendations: Approved

Test results - Prüfergebnisse - Résultats desais (1N/mm² = 1 MPa) F = Front - Anfan - Debut B = Back - Ende - Fin T = Transverse - Quer - Travers

Test Ref	Temp °C	RP N/MM2	0.2 N/MM2	RP N/MM2	1.0 N/MM2	RM %	A5 %	2" HB	HB
Min	+20	230	260	520	45	40			
Max				700				201	
F T	+20	307	344	613	58	61		187	
B T		347	384	631	57	59		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

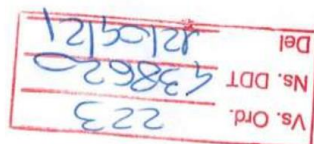
Corrosion acc. ASTM A 262-E, EN ISO 3651-2A: Approved

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



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This material is found to comply with order requirements

Joakim Johansson
Joakim Johansson
Authorized Inspector

