



Business Unit / QCM

Avesta Works / Johan Nordström

Date Datum Date
21-Aug-2014

Load, Ladung, Charge No
FI/108693

Acknowledged ID, Bestätigung, Commande ID
6610/300299552

Your ref, Ihre Ref., Votre ref P021729.	Requirements, Anforderungen, Exigences ASTM A 240M-13c ASME SEC II PART A SA-240/SA-240M 2013 EN 10088-2:2005 AD 2000 W2, W10 & EN 10028-7 EN 10088-4:2009 EN ISO 9444-2 / ASTM A480M
Buyer, Besteller, Acheteur BE Group Oy Ab Helsingintie 50 FI 15100, LAHTI FINI AND	
Consignee, Empfänger, Lieu de livraison BE Group 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 Polcon de l'expert 	Grade, Werkstoff, Nuance Outokumpu 18-8L TYPE 304 TYPE 304L 1.4301 1.4307
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Product, Erzeugnisform, Produkt
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	2	E141210-704	12,00 X 1500 X 3000 mm	28	11945 KG

Chemical composition -- Chemische Zusammensetzung -- Composition chimiques

Heat	C	Si	Mn	P	S	Cr	Ni	Nb	Cu	Co	N
	.019	.35	1.67	.036	.001	18.11	8.04	.011	.33	.170	.072

Radioactive contamination check acc. IAEA recommendations: Approved

Test results -- Prüfergebnisse -- Resulta desais (1N/mm² = 1 MPa) F = Front - Arrière - Début 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	342	380	622	57	60	192
B T		359	399	631	56	58	196

Corrosion acc. ASTM A 262-E, EN ISO 3651-2A: Approved
Heat treatment / Solution annealed: Material temperature 1100 °C / Quenched (forced air + water)
Steel grade verification (PMI-spectroscopic): Approved
Marking, visual insp. and gauge measurement: Approved
Approved acc. AD 2000 Merkblatt W0 by TÜV NORD Systems with renounce of countersignment
Certified acc. Pressure Equipment Directive (97/23/EC) by TÜV CERT-Certification body
for pressure equipment of the TÜV NORD Systems; notified body, reg-no. 0045.

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SWEDEN
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This material is found to comply with order requirements

Joakim Johansson
Authorized Inspector



Certificate no.: 0045-CPD-0565