



Business Unit / QCM
Avesta Works / Johan Nordström

Date Datum Date
09-Oct-2014

Load, Ladung, Charge No
FI/110530

Acknowledged ID, Bestätigung, Commande ID
6610/300308887

Your ref, Ihre Ref., Votre ref P024542.		Requirements, Anforderungen, Exigences ASTM A 240M-14 ASME SEC II PART A SA-240/SA-240M 2013 EN 10088-2:2005 EN 10028-7:2007 AD 2000 W2, W10 & EN 10028-7 NACE MR0175/ISO 15156-3:2009 EN ISO 9444-2 / ASTM A480M	
Buyer, Besteller, Acheteur BE Group Oy Ab Helsingintie 50 FI 15100, LAHTI FINLAND			
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 Poicon de l'expert 	Grade, Werkstoff, Nuance Outokumpu 18-8L TYPE 304 TYPE 304L 1.4301 1.4307

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	2	442507-003	10,00 X 1500 X 3000 mm	38	13495 KG

Chemical composition - Chemische Zusammensetzung - Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Nb	Cu	Co	N
Heat	.016	.33	1.54	.032	.001	18.25	8.14	.005	.36	.150	.060

Radioactive contamination check acc. IAEA recommendations: Approved

Test results - Prüfergebnisse - Résultats d'essais (1N/mm² = 1 MPa) F - Front - Anfan - Debut B - Back - Ende - Fin T - Transverse - Quer - Travers

Test Ref	Temp °C	RP 0.2	RP 1.0	RM	A5	2"	HB
		N/MM2	N/MM2	N/MM2	%	%	HB
Min	+20	230	260	520	45	40	
Max				700			201
F T	+20	319	368	623	57	59	183
B T		319	370	624	56	58	187

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 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.