


Business Unit / QCM
Avesta Works / Johan Nordström

Date / Datum / Date
20-Nov-2015

Load, Ladung, Charge No
FI/FI50-4158

Acknowledged ID, Bestätigung, Commande ID
6610/521919

Your ref, Ihre Ref., Votre ref PO38332		Requirements, Anforderungen, Exigences ASTM A 240M-15a ASME SEC II PART A SA-240/SA-240M 2013 EN 10088-2:2014 EN 10028-7:2007 AD 2000 W2, W10 & EN 10028-7 NACE MR0175/ISO 15156-3:2009 EN 10088-4:2009 EN ISO 9444-2	
Buyer, Besteller, Acheteur BE GROUP OY AB HELSINGINTIE 50 PO BOX 54 FI 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 17-10-2L TYPE 316 TYPE 316L 1.4401 1.4404
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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	5	554246-001	12,00 X 1500 X 3000 mm	9	3892 KG

Chemical composition – Chemische Zusammensetzung – Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Mo	Nb	Cu	Co	N
Heat	.018	.47	1.25	.029	.001	17.05	10.06	2.03	.016	.35	.28	.045

Radioactive contamination check acc. IAEA recommendations: Approved

Test results – Prüfergebnisse – Results desais (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	240	270	530	40	40	HB
Max				680			217
F T	+20	327	372	598	58	61	174
B T		324	371	597	57	60	178

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.

