


Business Unit / QCM  
**Avesta Works / Johan Nordström**

Date / Datum / Date  
**01-Jul-2015**

Load, Ladung, Charge No  
**FI/FI50-4083**

Acknowledged ID, Bestätigung, Commande ID  
**6610/521249**

Your ref, Ihre Ref., Votre ref <b>P034594</b>		Requirements, Anforderungen, Exigences <b>ASTM A 240M-15a</b> <b>ASME SEC II PART A SA-240/SA-240M 2013</b> <b>EN 10088-2:2014</b> <b>EN 10028-7:2007</b> <b>AD 2000 W2, W10 &amp; EN 10028-7</b> <b>NACE MR0175/ISO 15156-3:2009</b> <b>EN 10088-4:2009</b> <b>EN ISO 9444-2</b>	
Buyer, Besteller, Acheteur <b>BE GROUP OY AB</b> <b>HELSINGINTIE 50</b> <b>PO BOX 54</b> <b>FI FI-15100, LAHTI</b> <b>FINLAND</b>			
Consignee, Empfänger, Lieu de livraison <b>BE GROUP OY AB</b>			

Mark of Manufacturer Zeichen des Lieferwerkes Signe de producteur <b>outokumpu</b>	Process Erschmelzungsart Mode de fusion <b>E+AOD</b>	Inspector's stamp Zeichen des Sachverständigen Poicon de l'expert 	Grade, Werkstoff, Nuance <b>Outokumpu 18-8L</b> <b>TYPE 304</b> <b>TYPE 304L</b> <b>1.4301</b> <b>1.4307</b>
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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	4	551948-001	10,00 X 1500 X 3000 mm	5	1765 KG

Chemical composition – Chemische Zusammensetzung – Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Nb	Cu	Co	N
Heat	.018	.32	1.15	.033	.001	18.21	8.09	.004	.33	.200	.063

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

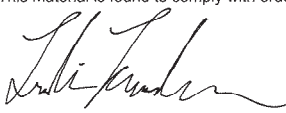
Test Ref	Temp	RP 0.2	RP 1.0	RM	A5	2"	HB
	°C	N/MM2	N/MM2	N/MM2	%	%	HB
Min	+20	230	260	520	45	40	
Max				700			201
F T	+20	320	368	625	58	60	187
B T		318	368	622	58	59	183

**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.**

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Business Unit Special Coil  
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SWEDEN  
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This material is found to comply with order requirements



Joakim Johansson  
Authorized Inspector

