



Business Unit / QCM

Avesta Works / Johan Nordström

Date Datum Date

23-Jan-2014

Load, Ladung, Charge No

FI/97216

Acknowledged ID, Bestätigung, Commande ID

6610/300282246

Your ref, Ihre Ref., Votre ref JKL/5751		Requirements, Anforderungen, Exigences <b>ASTM A 240-13a</b> <b>ASME SEC II PART A SA-240/SA-240M 2011a</b> <b>EN 10088-2:2005</b> <b>EN 10028-7:2007</b> <b>NACE MR0175/ISO 15156-2009</b> <b>EN 10088-4:2009</b> <b>EN ISO 9445-2</b>	
Buyer, Besteller, Acheteur OUTOKUMPU PSC FINLAND OY SAVELANKATU 5 FI 40700, JYVÄSKYLÄ FINLAND			
Consignee, Empfänger, Lieu de livraison OUTOKUMPU PSC FINLAND OY			

Mark of Manufacturer Zeichen des Lieferwerkes Signe de producteur	Process Erschmelzungsart Mode de fusion	Inspector's stamp Zeichen des Sachverständigen Poicon de l'expert	Grade, Werkstoff, Nuance Outokumpu 2507 UNS S32750 1.4410
outokumpu	E+AOD		

Product, Erzeugnisform, Produit  
Stainless Steel Cold Rolled, Coil-Plate  
finish 2E, pickled, 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	1	431034-001	4,00 X 2000 X 6000 mm	4	1510 KG

Chemical composition – Chemische Zusammensetzung – Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	N
Heat	.013	.42	.75	.023	.001	24.93	6.89	3.80	.33	.284

Radioactive contamination check acc. IAEA recommendations: Satisfactory

Test results – Prüfergebnisse – Results desais (1N/mm<sup>2</sup> = 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	FEH
		N/MM2	N/MM2	N/MM2	%	%	HB	%
Min	+20	550		795	20	15		
Max				1000			310	
F T	+20	718	801	906	29	29	263	54.0
B T		737	809	911	32	31	272	

**Microstructure acc to ASTM A 923-A: Satisfactory**  
**PREN: Cr + 3,3Mo + 16N = 42**  
**Material conforms to NACE MR0175/ISO 15156 in supplied condition**  
**Corrosion acc. EN ISO 3651-2C: Satisfactory**  
**Heat treatment / Solution annealed: Material temperature 1100 °C / Quenched (forced air + water)**  
**Steel grade verification (PMI-spectroscopic): OK**  
**Marking, visual insp. and gauge measurement: Satisfactory**  
**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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This material is found to comply with order requirements

Joakim Johansson  
Authorized Inspector

