


Business Unit / QCM
 Avesta Works / Johan Nordström

Date Datum Date
 17-Sep-2012

Load, Ladung, Charge No
 FI/64101

Acknowledged ID, Bestätigung, Commande ID
 6610/300212170

Your ref, Ihre Ref., Votre ref JKL/4642		Requirements, Anforderungen, Exigences ASTM A 240-11a ASME SA-240 2011a EN 10088-2:2005 EN 10028-7:2007 NACE MR0175-2003 EN 10088-4:2009 EN ISO 9445-2	
Buyer, Besteller, Acheteur OUTOKUMPU DISTRIBUTION OY RIIHITONTUNTIE 7 A FI 02200, ESPOO FINLAND			
Consignee, Empfänger, Lieu de livraison OUTOKUMPU DISTRIBUTION OY			

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 2507 UNS S32750 1.4410
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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	422447-005	4,00 X 1500 X 6000 mm	5	1416 KG

Chemical composition – Chemische Zusammensetzung – Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	N
Heat	.016	.35	.79	.023	.001	24.87	6.90	3.79	.21	.286

Radioactive contamination check acc. IAEA recommendations: Satisfactory

Test results – Prüfergebnisse – Results dessais (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	FEH %
Min	+20	550		795	20	15		
Max				1000			310	
F T	+20	741	815	931	31	30	276	45.0
B T		738	805	915	31	30	263	

Microstructure acc to ASTM A 923-A: Satisfactory
PRE: Cr + 3,3Mo + 16N = 42
Material conforms to NACE MR0175 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.

Outokumpu Stainless AB
 Business Unit Special Coil
 BOX 74, S-774 22 AVESTA
 SWEDEN
 Regoffice: Stockholm SWEDEN, Regno: 556001-8748

Telephone: + 46 (0)226 814 77
 Fax: + 46 (0)226 813 16
 V.A.T no: SE556001874801

This material is found to comply with order requirements

Lars Åke Johansson

Lars-Åke Johansson
 Authorized Inspector

