



Business Unit / QCM Avesta Works / Johan Nordström Date Datum Date 06-Feb-2015 Load, Ladung, Charge No FI/114583 Acknowledged ID, Bestätigung, Commande ID 6610/300324208

Your ref, Ihre Ref., Votre ref 45988737-0710		Requirements, Anforderungen, Exigences ASTM A 240M-14 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 EN ISO 9444-2 / ASTM A480M	
Buyer, Besteller, Acheteur TIBNOR OY ATOMITIE 5 A FI 00370, HELSINKI FINLAND			
Consignee, Empfänger, Lieu de livraison TIBNOR OY			

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 Outokumpu 18-8L TYPE 304 TYPE 304L 1.4301 1.4307
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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	2	550268-001	10,00 X 1500 X 3000 mm	16	5706 KG

Chemical composition - Chemische Zusammensetzung - Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Nb	Cu	Co	N
Heat	.017	.32	1.13	.034	.001	18.22	8.09	.004	.39	.160	.066

Radioactive contamination check acc. IAEA recommendations: Approved

Test results - Prüfergebnisse - Résultats des essais (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 HB
Min	+20	230	260	520	45	40	
Max				700			201
F T	+20	314	363	617	57	59	183
B T		319	364	616	58	60	183

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.

