
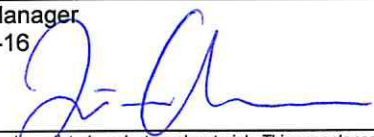

 <b>outokumpu</b> <small>high performance stainless steel</small>	<b>QTR</b> <b>Qualification Test Record</b> <b>NORSOK M-650</b>				QTR. No.: QTR_S32750
					Rev. No.:17
Manufacturer name/address/ Web page:	Outokumpu Stainless AB, QPE, SE-693 81 Degerfors www.outokumpu.com				
Reference standard	NORSOK M-650 rev.4				
Material designation and MDS No.:	ASTM A240 UNS S32750 MDS D55 rev. 5				
Manufacturing summary doc. No.:	MS-UNS S32750				Rev. No.: 17
Products and manufacturing process(es):	Hot rolled stainless plate, solution annealed and pickled: A4: Slab Avesta+Rolling in Degerfors+Heat treatment Roller Hearth Furnace Degerfors A6: Slab Avesta+Rolling in Degerfors+Heat treatment Batch Furnaces (BF1 or BF2) Degerfors A7: Slab Avesta+Pre-Rolling Avesta+Rolling in Degerfors+Heat treatment Batch Furnaces (BF1 or BF2) Degerfors B1: Slab Avesta+Pre-Rolling Avesta+Rolling in Degerfors+ Heat treatment Roller Hearth Furnace Degerfors				
Mandatory conditions and sub-contractors:	Sub-contractors: Slab Avesta				
Other information:	Verification of Heat treatment Furnaces carried out. References: - Report 4.0 Verification of heat treatment procedure in Roller Hearth furnace, 1100 C° - Verification report BF1 (880-109) - Verification report BF2 (880-110)				
Qualification expires:	2020-12-22				
<b>Tested and Qualified Thickness and Weight</b>					
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Hot rolled stainless plate, solution annealed and pickled:					
A4:	TR_8931-03-03	25	Max 32	2465	-
A6:	TR_3169-19-10	50	Max 50	3458	
A7:	TR_3312-04-22	32	Max 40	2218	-
B1:	TR_8180-01-03	25	Max 31	1779	-
<b>Manufacturer:</b> <b>Outokumpu</b> <b>Stainless AB</b>	Prepared by/Date: Technical development Veronica Sundberg/2019-10-16 		Checked by/Date: T&Q Manager Jim Augustsson/2019-10-16 		
<small>The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials. This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.</small>					
<b>Qualified/Accepted by</b> (company name/address):  <b>Aker Solutions</b> Fornebu, Norway NO 929 877 950 VAT			Signature/Date: 16/10/2019 