


	<b>Qualification Test Record (QTR) NORSOK M-650</b>				QTR. No.: 2205 - 2014
					Rev. No.: 6
<b>Manufacturer name/address/ Web page:</b>	Outokumpu Stainless AB, Avesta Works, P.O. Box 74, SE 77422 Avesta, Sweden www.outokumpu.com				
<b>Reference standard</b>	NORSOK M-650, Edition 4 /ISO 17782:2018				
<b>Material designation and MDS No.:</b>	ASTM A240: UNS S32205, UNS S31803; EN 10088-2 & 10028-7: 1.4462 MDS D45, rev 6 or Outokumpu MDS D45 rev3 (see Other information)				
<b>Manufacturing Summary doc. No.:</b>	MS NORSOK 18 - 2205				Rev. No.: 4
<b>Products and manufacturing process(es):</b>	Hot and cold rolled stainless steel plate, sheet and strip <b>Hot rolled:</b> Melting – Casting – Hot Rolling – Annealing and pickling – Finishing and testing <b>Cold rolled:</b> Melting – Casting – Hot Rolling – Annealing and pickling – Cold Rolling - Annealing and pickling – Finishing and testing				
<b>Mandatory conditions and sub-contractors:</b>					
<b>Other information:</b>	1 Verification of heat treatment procedure has been carried out. Ref report no 2012-009-v3. 2 The material may also be delivered according to Outokumpu MDS D45 rev 3, with enhanced tensile properties at room temperature: Rp02 min 550 MPa, Rm min 750 MPa, A50 and A min 25% 3. Temperature of quenching medium in AP-line is 50-55 C. 4. Slab supplier may also be Outokumpu Tornio Works. 5. Yearly TUS according to internal procedure 6613 "Verification of HTP"				
<b>Qualification expires:</b>	September 2023				
<b>Tested and qualified thickness and weight</b>					
<b>Products and manufacturing process(es):</b>	<b>Test record No.</b>	<b>Tested thickness mm</b>	<b>Qualified thickness mm</b>	<b>Test piece weight kg</b>	<b>Qualified weight kg</b>
Hot Rolled plate and strip	2205 HR Qualification test report	8	Max 10	N/A	N/A
Cold Rolled plate, sheet and strip	2205 CR Qualification test report	6	Max 7,5	N/A	N/A
<b>Qualification/acceptance signatures</b>					
<b>Manufacturer:</b> Outokumpu Stainless AB, Avesta Works	<b>Prepared by/Date:</b> QM Specialist Kristina Wretstam 2021-02-15 		<b>Checked by/Date:</b> QM Manager: Maria Granath 2021-02-15 		
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. <i>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.</i>					
<b>Qualified/Accepted by (company name /address):</b>  <b>AkerSolutions</b> Fornebu, Norway NO 929 877 950 VAT			<b>Signature/Date:</b> 17/02/2021 