



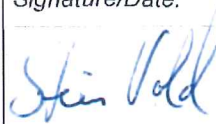


QTR		QTR. No.:	02		
Qualification Test Record		Rev. No.:	04		
NORSOK M-650					
Manufacturer name/address/ Web page:	Deutsche Edelstahlwerke Specialty Steel GmbH & Co. KG Auestraße 4 58452 Witten Germany www.dew-stahl.com				
Reference standard	Norsok M-650 Rev. 4				
Material designation and MDS No.:	ASTM A 479; UNS S 31803 / 32205 MDS D47 Rev. 5				
Manufacturing summary doc. No.:	MS-QTR-02-Wi-HR_04	Rev. No.:	04		
Products and manufacturing process(es):	Hot rolled bars: Route 2 (Plant Witten)				
Mandatory conditions and sub-contractors:	Heat Treatment by: DEW Plant Witten Continuous furnace N° 31				
Other information:	The former qualification acc. NORSOK M-650 Rev. 3 was valid until March 2017. Requirements were fulfilled continuously; the qualification acc. to NORSOK M-650 Rev. 4 has been started immediately following the requirements of section 6. The QTR (including the Manufacturing Summary) has been updated; a verification of heat treatment procedure and the additional testing acc. to table 2 and the applicable MDS have been carried out.				
Tested and Qualified Thickness and Weight					
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Hot rolled bar	1713128/1175566	180	220	4054	all
Hot rolled bar	2316817/1812463	161	220	2960	all
Qualification/Acceptance signatures					
Manufacturer:	Prepared by/Date:	November 2018	Checked by/Date:	November 2018	
	 Tabea Jentzsch	 Jan Lingemann	16. NOV. 2018	 Dr. Till Schneiders	
<p>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.</p>					
Qualified/Accepted by (company name/address):			Signature/Date:		
 Breimyra 1 4340 Bryne Norway			 17.01.19		