

 HEINZ GOTHE GmbH & Co. KG	Qualification Test Record (QTR)				QTR. No.: 002	
	NORSOK M-650				Rev. No.: 2	
Manufacturer name/address/ Web page:	Heinz Gothe GmbH & Co. KG Druckerstraße 12-20 41238 Mönchengladbach www.gothe-edelstahl.de					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	ASTM A928 Class 1 UNS S32750 acc. Norsok M-630 Ed.6; MDS D52, Revision 5.					
Manufacturing Summary doc. No.:	MS 002				Rev. No.: 1	
Products and manufacturing process(es):	Welded pipes with wall thickness from 10 to 40 mm manufactured from the plates by cold forming with addition of filler metal in accordance with pipe-fabrication-flowchart.					
Mandatory conditions and sub-contractors:	Heat treatment by: Wilh. Schulz GMBH Krefeld Furnace No. 570 Mechanical and Metallurgical Testing by: GWQ Gesellschaft für Werkstoffprüfung mbH; Am Schürmannshütt 30, 47441 Moers EB welding method shall be used for wall thicknesses above 30mm, i.e. GTAW only qualified up to 30mm					
Other information:	Heat treatment verification test for 50mm wall and 6 ton load was witnessed by Qualifying Company 16.04.2019.					
Qualification expires:	29.01.2022					
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	Qualified Welding methods
Pipes A928 Class 1 UNS S32750	QAR 1	15	18,75	N/A	N/A	PAW/GTAW
Pipes A928 Class 1 UNS S32750	QAR 2	35,0	40	N/A	N/A	EBW/SAW
Qualification/acceptance signatures						
Manufacturer:	Prepared by/Date: A. John / 11.06.2019		Checked by/Date: H. Winking / 11.06.2019			
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>						
Qualified/Accepted by (company name /address):			Signature/Date: 09.08.2019			
 Kanalotta 6, 4033 Stavanger, Norway Org.nr 887 138 362			INGVE STANGELAND 			

Note:

Expiry date agreed to be ~ 2 ½ year from approval date due to limited regular production and to align with expiry date of QTR for grade S31803.