

	QTR Qualification Test Record NORSOK M-650				QTR. No.:	26304180 – 01
					Rev. No.:	0
Manufacturer name/address/ Web page:	TPS-Technitube Röhrenwerke GmbH Julius-Saxler Straße 7 54550 Daun www.tpsd.de					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	UNS S31254 - MDS R18 Rev. 6 / ASTM A269 / TR 2000 MDS ST701					
Manufacturing summary doc. No.:	MS-26304180-01				Rev. No.:	0
Products and manufacturing process(es):	seamless cold finished tubes with bright annealed surface					
Mandatory conditions and sub-contractors:	Heat treatment in furnace no. 2 at 1100°C - 1110°C Heat treatment procedure verified 07/2021 No. 3 851 29-00QM Hardness max. 90 HRB Uniformity survey of the heat treatment furnace: yearly					
Other information:	Heat treatment process: solution annealed (bright annealed) and gas quenched					
Qualification expires;						
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)	
seamless cold finished tubes	2022-31222	4,00	5,00			
Qualification/Acceptance signatures						
Manufacturer:	Prepared by/Date:		Checked by/Date:			
	 54541 Daun/Germany Frederik Meyer / 29.08.2022 (Quality Coordinator)		 P.O. Box 1509 54541 Daun/Germany Björn Schmitt / 29.08.2022 (Quality Assurance / -planning)			
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.						
Qualified/Accepted by (company name/address): MRC Global Norway AS Gamle Forusveien 53 4033 STAVANGER			Initial approval date: 19.09.2022 Expiry date (annual review): 19.09.2026 Signature: 