



	<b>QTR Qualification Test Record</b> <b>NORSOK M-650 EDITION 4</b>					QTR. No.: 2
						Rev. No.: 6
Manufacturer	TTI Tubacex Tubos Inoxidables SAU					
name/address/ Web	Tres Cruces, 8 01400 Llodio (Alava) Spain <a href="http://www.tubacex.com">www.tubacex.com</a>					
Reference standard	NORSOK M-650 EDITION 4 ASTM A790, A789					
Material designation and MDS No.:	SEAMLESS PIPES TUBES UNS S32760 NORSOK M-630 edition 7: MDS D51-rev. 6 , MDS 58- rev6					
Manufacturing summary doc. No.:	1. MS 32760 HF1					Rev. No.: 5
	2. MS 32760 HF2					Rev. No.: 5
	3. MS 32760 CF3					Rev. No.: 5
Products and manufacturing process(es):	1. SEAMLESS PIPES AND TUBES HOT FINISHED DIRECT WATER QUENCHING 2. SEAMLESS PIPES AND TUBES HOT FINISHED, HEAT TREATMENT IN CONTINUOUS FURNACE 3. SEAMLESS PIPES AND TUBES COLD FINISHED, HEAT TREATMENT IN CONTINUOUS FURNACE					
Mandatory conditions and sub-contractors:	Aceria de Alava, S.A.U. (Sister company to Tubacex Tubos Inoxidables, SAU) is the main supplier of the material. Extruded hollows from TTI Llodio, Schoeller Bleckmann or trepanned hollows from IBF can be used for cold rolling. Materials manufactured with processes HF2 and CF3 are to be mandatorily heat treated in Guinea furnace #3. TTI-ACERALAVA do have in house testing facilities to cover all the testing required by UNS S32760 reference standards. Laboratory is included in the ISO 9001 QA system and ISO 17025 accredited for tensile, impact and hardness testing.					
Other information:	Verification of heat treatment as per instruction TX-INOX-42 and TX-INOX-51, witnessed by qualifying company SFF: <ul style="list-style-type: none"> <li>• TTI Llodio Direct water quenching (report VHT-003)</li> </ul> Verification of heat treatment witnessed by Lloyd's register: <ul style="list-style-type: none"> <li>• TTI Amurrio Guinea continuous Furnace #1 (report VHT-010)</li> <li>• TTI Amurrio Guinea continuous Furnace #3 (report VHT-009)</li> </ul>					
Expiry date	09.05.2027					
<b>Tested and Qualified Thickness and Weight</b>						
Process number	Test record No.	Test date	Tested Thickness (mm)	Qualified thickness (mm)	Test piece weight	Qualified weight (kg)
1	ZID200-50	03/05/2022	21,95	22,83	NA	NA
2	ZID200-60	22/03/2022	21,95	27,43	NA	NA
3	575801	08/04/2013	2,11	-	NA	NA
3	585630	22/07/2013	10,97	-	NA	NA
3	21603-2	18/03/2016	17,00	21,25	NA	NA
<b>Qualification/Acceptance signatures</b>						
Manufacturer:	Prepared by/Date:			Checked by/Date:		
	 Iñigo Arriola                      May 2022			 Aitor González                      May 2022		
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):				Signature/Date: 09.05.2022		
				INGVE STANGELAND 		

**Gamle Forusvei 11**  
**4031 Stavanger, Norway**  
**Ingve Stangeland**