TUBÂÇEX	QTR Qualification Test Record NORSOK M-650 ED. 4						: 5	
Manufacturer name/address/ Web page:	TTI Tubacex Tubos Inoxidables, S.A.U. Tres Cruces, 8 01400 Llodio (Alava) Spain www.tu						bacex.com	
Reference standards		SOK M-650 EDIT M A790 A	TON 4 STM A789					
Material		MLESS PIPES	31W A769	MDS D51	REV. 5			
designation and MDS No.:	TUB	ES UNS S32760		MDS D58	REV. 4			
Manufacturing summary doc. No.:	1. MS 32760 HF1 2. MS 327650 HF2 3. MS 32760 CF3					F	Rev. No.: 4 4 4	
Products and manufacturing process (es):	<ol> <li>SEAMLESS PIPES AND TUBES HOT FINISHED DIRECT WATER QUENCHING</li> <li>SEAMLESS PIPES AND TUBES HOT FINISHED, HEAT TREATMENT IN CONTINUOUS FURNACE.</li> <li>SEAMLESS PIPES AND TUBES COLD FINISHED, HEAT TREATMENT IN CONTINUOUS FURNACE.</li> </ol>							
Mandatory conditions and sub- contractors:	Acería de Alava, S.A.U. (Sister Company to Tubacex Tubos Inoxidables, S.A.U.) is the main supplier of start material.  Extruded hollows from Schoeller Bleckmann or trepanned hollows from IBF can also be used as raw material 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 22% and 25% Cr reference standards. These laboratories are included in the ISO 9001 QA system and work to procedures in compliance with international testing reference standards and following principles of ISO 17025 using qualified personnel, approved procedures and calibrated equipment.  Materials manufactured with processes HF2 and CF3 to be mandatorily heat treated in Guinea furnace #3.  Issued for approval renewal.							
Other								
information:	Verification of heat treatment as per instruction TX-INOX-42.  Verification of heat treatment witnessed by Qualifying Company SFF:  TTI Amurrio Guinea continuous Furnace #3 (report VHT-001)  TTI Llodio Direct water quenching (report VHT-003  Verification of heat treatment for Umbilical tubing witnessed by Qualifying Company Nexans:  TTI Amurrio Guinea continuous Furnace #3 (report VHT-007)							
Expiry date:	N	ovem 6	er 20					
Products & ma		Test record No.	Tested and Qua	alified Thickness Tested	and Weight  Qualified thickness	Test piece weight	Qualified weigh	
process(es	Contract COA			Thickness (mm)	(mm)	(kg)	(kg)	
1		340879	12/12/2002	18,26	. 22,83	NA	NA	
2		368794	11/4/2005	11,13	13,91	NA	NA	
2 -		376512	27/1/2006	6,02		NA	NA	
3		575801	8/4/2013	2,11		NA	NA	
3		585630	22/7/2013	10,97		NA	NA	
3		21603-2	18/03/2016	17,00	21,25	NA	NA	
Wanufactu	rer:		Qualification/Acceptance signature Prepared by/Date:			Checked by/Date:		
The manufacture	and this	Carlos Arri	20-10 Me . 30 Me . 34		Aitor González rements of NORSOK M-			
			from his responsibility	and materials.	ualification is valid for hi		•	
Qualified/Accepted by (company name/address):					Signature/Date: 21.12.2016  Jary 16 Wstall			
	A/0 (0)A	SCANDINAVIAN FITTINGS	& FLANGES AS					