	Qı	Qualification Test Record (QTR) NORSOK M-650				QTR. No.: 04	
1777						Rev. No.: 07	
Manufacturer name/address/ Web page:	Germai	H. Butting GmbH & Co. KG, Gifhorner Str. 59, 29379 Wittingen-Knesebeck, Germany www.butting.de					
Reference standard	NORSO	NORSOK M-650, Edition 4					
Material designation MDS No.:	UNS S	ASTM A928 Type 25Cr Duplex (PRE=>40) UNS S32750 Cl. 1/3/5 NORSOK M-630:2020 MDS D52 Rev. 6					
Manufacturing Sumr	nary D-04					Rev. No.: 10	
	Cold for	Cold formed Stainless Steel Pipes, longitudinally welded by					
Products and manufacturing process(es):	PAW/G PAW/G EB/GT/ EB/GT/	PAW/GTAW PAW/GTAW PAW/GTAW Double sided PAW/GTAW Double/single sided PAW/GTAW Double/single sided EB/GTAW Double sided EB/GTAW Double sided Double sided PAW/GTAW/SAW Double sided PAW/GTAW/SAW Double sided PAW/GTAW/SAW Double sided Double sided Prod. route No. Induction HT (in line) Prod. route No. Induction HT (391) Prod. route No.					
Mandatory condition and sub-contractors	Raw Plate Nipp	 Raw Material Suppliers Plate: Böhler, Outokumpu, ATI Allegheny, Industeel/ArcelorMittal, Nippon Yakin, SIJ Acroni Coil: Outokumpu, ATI Allegheny, Aperam, Nippon Yakin 					
Other information:	 Verif Qual meei Rev. Rev. Rev. Rev. Rev. Rev. Rev. 	 Qualification testing acc. to MDS D52 Rev.4, 5 or 6 however all testing also meets requirements of MDS D52 Rev.6 Rev.01 - Qualification testing of PR no. 1, 2, 3 					
Qualification expires	: 14.0	3.2029					
	Tested ar	nd qualified	thicknes	s and weig	ght		
Products and	Reference	Qualification	Tested	Qualified	Test piece	Qualified	
manufacturing process(es):	no.	order no.	thickness mm	thickness mm	weight kg	weight kg	
Welded pipes / PR 1	QTR-04/R1	1072329	5,00	6,25	N/A	N/A	
Welded pipes / PR 1	QTR-04/R1	1104101	4,57	5,71	N/A	N/A	
Welded pipes / PR 2	QTR-04/R2	1074579	9,53	10,48	N/A	N/A	
Welded pipes / PR 2	QTR-04/R2	1227058	23,80	29,75	N/A	N/A	
Welded pipes / PR 3	QTR-04/R3	1172669	15,09	18,86	N/A	N/A	
Welded pipes / PR 3	QTR-04/R3	1227060	19,10	23,87	N/A	N/A	
Welded pipes / PR 4	QTR-04/R4	1097274	32,40	40,00	N/A	N/A	
Welded pipes / PR 5	QTR-04/R5	1172491	15,09	18,86	N/A	N/A	
Welded pipes / PR 6	QTR-04/R6	1169067	23,83	29,79	N/A	N/A	
	Qualif	ication/acc	eptance s	ignatures			
Manufacturer: BUTTING GmbH & Co. KG	Prepared by/Date: Sigrun Claus / 06.03.2024			Checked by/Date: Sabine Nagel / 06.03.2024			

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):

| Scandinavian | Fittings & Flanges Signature/Date: 06.03.2024

Velle R. Osterlus