

Qualification Test Record for 1.4410 bars Ø 20 to 75 mm NORSOK M-650

QTR N°: SMQ 822824

Rev. N°: A

Date: 18/02/2020

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Manufacturer name address/Web page:		UGITECH S.A. Avenue Paul Girod, F-73403 UGINE Cedex, France www.ugitech.com							
Reference standard		NORSOK M-650 Rev. 4							
Material designation and MDS No.:		Grade and specification: Type 25Cr duplex STAINLESS STEEL DUPLEX 1.4410 (EN 10088) X2CrNiMoN25-7-4 ASTM A479 Grade UNS S 32750 In compliance with the requirements of NORSOK MDS D57, Rev. 6.							
Manufacturing summary doc. No.:		Flow chart	:: Synoptique <u>AF</u>	98	Rev. No.: dated 30/04/2018				
Products and manufacturing process:		Melting process: Electric arc furnaces Refining AOD Continuous cast Heat from Ugine Melting shop Hot rolling process: Bars diameter Ø 20 to 75 mm							
Mandatory conditions and sub-contractors:		Condition: TT4 furnaces n° 26 or n° 27 for solution heat treatment Temperature 1060°C to 1100°C, water + polymer quenching Time between furnace and quenching ≤ 90 s Temperature of water + polymer bath ≤ 70°C							
Other information:									
Qualification expires:		February, 2025							
	Tes	sted and (Qualified Th	ickness an	d Weight				
Products and manufacturing process: Bars diameter Ø		record No.	Tested thickness mm (bar OD)	Qualified thickness mm (bar OD)	Test bar weight kg	Qualified weight kg			
20 to 75 mm	PRJ111	0012761-1/2	75 mm	20 – 75 mm	n/a	n/a			
		Qualifica	tion/accept	ance signa	tures				
Manufacturer: Prepare			y/Date: O.MARTEL Checked by/Date: G. PELLISSIER						
	NOF nce does n fo	RSOK M-650 fo ot exempt any p	r supply of the above	ve listed products a responsibility to er	nsure that this qualification				

Qualified/Accepted by:

Lloyd's Register EMEA, Tour Swiss Life 1, boulevard Vivier Merle Fr-69443 Lyon cedex 03 Signature/Date:





Qualification Test Record for 1.4410 bars Ø 75,01 to 120 mm NORSOK M-650

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Manufacturer name address/Web page:			ECH S.A. Paul Girod, F-734	03 UGINE Cedex	, France www.u	ugitech.com			
Reference standard		NORSOK M-650 Rev. 4							
Material designation and MDS No.:		Grade and specification: Type 25Cr duplex STAINLESS STEEL DUPLEX 1.4410 (EN 10088) X2CrNiMoN25-7-4 ASTM A479 Grade UNS S 32750 In compliance with the requirements of NORSOK MDS D57, Rev. 6.							
Manufacturing summary doc. No.:		Flow chart: Synoptique AF 98			Flow chart: Synoptique AF 98				
Products and manufacturing process:		Melting process: Electric arc furnaces Refining AOD Continuous cast Heat from Ugine Melting shop Hot rolling process:							
		Bars diameter Ø 75,01 to 120 mm							
Mandatory conditions and sub-contractors:		Condition: TT4 furnaces n° 26 or n° 27 for solution heat treatment Ø > 75 mm : temperature 1090°C to 1130°C, water quenching Time between furnace and quenching ≤ 90 s Temperature of water bath ≤ 50°C							
Other information:									
Qualification expires:		February, 2025							
2	Te	ested and	d Qualified T	hickness an	d Weight				
Products and Test re manufacturing process:		record No.	Tested thickness mm (bar OD)	Qualified thickness mm (bar OD)	Test bar weight	Qualified weight kg			
Bars diameter Ø 75,01 to 120 mm	SMQ 4780 rev. C		120 mm	75,01 - 120 mi	m n/a	n/a			
	A	Qualifi	cation/accep	tance signa	tures				
		by/Date: O.MARTE		by/Date: G. PELLISSI	ER				
The mar			are evaluated and for supply of the ab		ance with the requirem	ents 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:

Lloyd's Register EMEA, **Tour Swiss Life** 1, boulevard Vivier Merle Fr-69443 Lyon cedex 03

Signature/Date:

