

Certificate of Conformance to Requirements for Welding Electrode

Product Type: FabCO XL-525

Classification: E71T-1MJ H8, E71T-9MJ H8, E71T-12MJ H8

Specifications: AWS A5.20/A5.20M; ASME SFA 5.20

Diameter Tested: 1/16"

Date Tested: 3/11/2021

Date Generated: 4/8/2021

This is to certify that the product named above and supplied on the referenced order number is of the same classification, manufacturing process, and material requirements as the material which was used for the test that was concluded on the date shown, the results of which are shown below. All tests required by the specifications shown for classification were performed at that time and the material tested met all requirements. It was manufactured and supplied by the Quality System Program of Hobart Brothers, which meets the requirements of ISO 9001, ANSI/AWS A5.01, and other specification and Military requirements, as applicable. This document supplies actual test results of non-specific inspection in conformance with the requirements of EN 10204, type 2.2 certification.

THE STEEL USED IN THIS LOT OF MATERIAL WAS MELTED AND MANUFACTURED IN THE U.S.A.

Test Settings

rest dettings																							
Shielding Medium		Amps / Polarity		arity	Volts WFS			ESO in(r			m) Preheat F(C)				Interpass F(C)				Travel Speed in/min(cm/min)				
M21-ArC-25		275 / DCEP		EP	26	240		.75 (19)				Room Temp			300(149)				10 (25.4)				
Mechanical Properties - Tensile																							
Shielding Med	R	ef. No		Testing Conditions			Ult. T	ensile	Stren	ength psi (MPa)			Yield Str	engtl	gth psi (MPa)				Elong.% in 2"				
M21-ArC-2	PI	E1849	9	Aged 48	F	76,000 (521)					69,000 (474)					29							
Mechanical Properties - Impact																							
Shielding Mediu	Ref. No. Te			sting Conditions			emp. F	(C)		Individuals ft.lb.(J)					Avg. ft.lb.(J)				Туре				
M21-ArC-25		PE1849			As Welded			-40 (-40)				25,47,16 (34,64,22)				29 (40)				Charpy-V-Notch			
M21-ArC-25		PE1849			As Welded			0 (-18)			207,223,143 (281,302,194)					191 (259)				Charpy-V-Notch			
Ref.No.		Fillet Weld Test															\neg i						
PE1849	rms			Ho	Horizontal :			Overhe				ead :	l: Conforms Ve				Verti	tical : Conforms					
						Che	mica	I An	alysi	s													
Shielding Medium / Ref. No		С	Mn	Р	S S	Si Cu	Cr	V	Ni	Мо	AI -	Ti Nb	Co	В	ws	Sn Fe	Sb	NN	/lg Z	'n Be	Sb	As	
M21-ArC-25 / PE1849		0.03	1.17	800.0	0.009 0.	31 0.02	0.04	0.02	0.33	< .01				0.0043									
		, , ,		Dif	fusible	Hydro	gen (Colle	cted	per .	AWS	3 A4	.3				, ,						
M21-ArC-25							3.3	ml/10	Og of w	veld m	etal f	or 1/1	6 in d	liameter 1	6% r	elative	hum	idity				\Box	

Dave Thomas, Quality Assurance Rep.

Certification and Limited Warranty - Data for the above supplied product are those obtained when welded and tested in accordance with the above specification. All tests for the above classification were satisfied. Other tests and procedures may produce different results.