

Certificate of Conformance to Requirements for Welding Electrode

Product Type: FabCO Element 71T1C

Classification: E71T-1C H8, E71T-9C H8, E71T-12C H8
Specifications: AWS A5.20/A5.20M; ASME SFA 5.20

Diameter Tested: 1/16"

Date Tested: 3/08/2024

Date Generated: 1/27/2025

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

Test Settings																									
Shielding Medium		Amps /	Polarit	ty \	olts/	WFS in/min(m/min)			ESO in(mm)				Preheat F(C)				Interpass F(C)					Travel Speed in/min(cm/min)			
C1 (100	280 /	DCEP	·	28	240	(6.1)		3,	4 (19)	(19) F			Room Temp				300(149)				10 (25.4)				
	277.3	/ DCE	P 2	28.2	250 (6.4)			3,	/4 (19 <u>)</u>	9) Ro			Room Temp			300(149)				\neg	10.5 (26.7)				
Mechanical Properties - Tensile																									
Shielding Medium		Ref. No.		T	Testing Conditions			Ult.	Tensile	Strer	Strength psi (MPa)			Yi	Strer	igth psi (MPa)				\top	Elong.% in 2"				
	PE	7667	1	Aged 48 Hrs 220F				71,000 (492)				62,0				000 (429)				T	28				
Mechanical Properties - Impact																									
Shielding Medium		Ref. No. Test			sting Conditions			Temp.	F (C)		Individuals f				t.lb.(J)				Avg. ft.lb.(J)				Туре		
C1		PE766	7	As	As Welded				-18)		51,28,38 (69,38,5				2)	39 (53)				\neg	Charpy-V-Notch				
С	PE7667			As Welded			-20	(-29)		16,20,16 (22,27,22)				\neg	17 (24)				\neg	Charpy-V-Notch					
Ref.No. Radiographic Inspection					Fillet Weld Test																				
PD6656					Horizontal :					Overhead									Vertical: Confo						
PE7667 Conforms					Hor	izontal					Overhead : Conf						ns Vertical						ll: Conforms		
						Ch	emic	al Aı	nalys	is															
Shielding M	Shielding Medium / Ref. No		Mn	Р	S	Si	Cu	Cr	V	Ni	Мо	ΑI	Ti	Nb C	;o	вw	Sn	Fe	Sb	N	Mg	Zn	Ве	Sb	As
C1 / PE7667		0.07	0.17	0.009	0.010	0.38	0.02	0.02	0.01	0.36	0.01														
				Diffu	sible	Hydro	ogen	Coll	ected	per	AWS	A	1.3												
C1							4.	4 ml/1	00g of	weld r	netal fo	r 1/	16 in	diam	ete	r 20%	₀ rela	tive	hur	nidi	ty				

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James A. Owens, Q.A. Specialist

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.