

## Certificate of Conformance to Requirements for Welding Electrode

Produc	et Type:	TM-771
Classit	ication:	E71T-1CJ H8, E71T-9CJ H8, E71T-12CJ H8
Specif	cations:	AWS A5.20/A5.20M; ASME SFA 5.20
Diame	ter Tested:	1/16"
Date T	ested:	5/12/2023
Date G	enerated:	5/12/2023

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.

							Te	st Set	ting	s																	
Shielding Medium		Amps / Polarity			Volts WFS in/min(m/m				E	SO in	(mm)	nm) Pre			ehea	at F(C)		Inte	rpas	ss F	Travel Speed in/min(cm/min						
	C1	275	275 / DCEP				250 (6.4	4)	3/4 (19			) Ro				Temp		300(149)					10 (25.4)				
					Me	echa	nical	Prope	ertie	s - T	ens	ile															
Shielding Medium R					Testing	Testing Conditions				Ult. Tensile Stre				ength psi (MPa)				h ps	n psi (MPa)				Elong.% in 2"				
C1			E5635		Aged 4	Aged 48 Hrs 220F			75,000 ( 516 )						68,000 ( 467 )							30					
					M	echa	nical	Prop	ertie	es - I	mpa	ct															
Shielding Medium		Ref. I	Ref. No. Testi			ting Conditions T				emp. F (C)				Individuals ft.lb.(J)					Avg. ft.lb.(J)					Туре			
C1			635		As Welded			0	(-18)	13	135,142,133 (183,193,180)					137 ( 185 )					Charpy-V-Not						
C1			635		As Welded				-40 (-40)				81,68,68 (110,92,92)					72 ( 98 )					Charpy-V-No				
Ref.No.		ic Inspection Fillet Weld Test												_													
PE5635 Conforms					ŀ					Overhead : Confor							`	ical :	cal : Conforms								
							Chem	nical A	Anal	ysis																	
Shielding M	edium / Ref. No	С	Mn	Р	S	Si	Cu	Cr	V	Ni	Мо	AI	Ti	VP (	20	В	W	Sn	Fe	Sb	N	Mg	Zn E	3e	Sb		
C1 / PE5635		0.05	0.93	0.007	0.007	0.24	0.04	0.04	0.02	0.43	0.01					0.0061											
				Dif	fusibl	e Hy	droge	en Co	llect	ed p	er A	WS	6 A4	1.3													
	C1							4 8 ml/	/100a	of we	ld me	etal fo	or 1/	16 ir	dia	meter 24	1% r	elati	ve h	um <sup>i</sup>	iditv		-				

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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.