

Certificate of Conformance to Requirements for Welding Electrode

Product Type: HOBART 7018 C3L

Classification: E7018C3L H4

Specifications: AWS A5.5/A5.5M; ASME SFA 5.5

 Diameter Tested:
 1/8" 5/32"

 Date Tested:
 8-12-22

 Date Generated:
 9/14/2022

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.

with the requirements of MADE IN THE U.S. O					ERIALS	S.																						
C:					Dalamitu			Т	est Se		js		\/-	14				Dualas	-4 5	-(0)	_				F/C)			
Size			Polarity						_	nps	Volts				Preh					· ,	\dashv	Interpass F(C)						
5/32X14 in			AC					200 185				23-25				22				· ·	_	225F ()						
5/32X14 in			DCEP									22-24							25F ()			225F ()						
1/8X14 in		DCEP								40	24				225				<u>` </u>		_	225 (107)						
1/8X14 in					AC					50				4				225 ((10)7)			22	5 (10	7)			
Size / Polarity	Ref. No.	$\overline{}$	Tooti	ina C	andition	[al Prop			_		d Ctr	onatl	- noi/	/N 4 F	20)			_	0000	/ in	2"				
,		Testing Conditions Aged 48 Hrs 220F				_	UIL. IE			Strength psi(MPa)				Yield Strength p 66,000 (45				² a)	Elong.% in 2"									
1/8X14 in / DCEP	PE4178	—							,000 (5			\dashv		` '				33										
1/8X14 in / AC	PE4190	+			Hrs 220	_					_		,000 (462)				30											
5/32X14 in / AC	PE4173	Aged 48 Hrs 220				_			000 (554)				68,000 (466)				, <u> </u>					26						
5/32X14 in / DCEP PE4174 Aged 48 Hrs 220F 77,000 (532) 64,000 (445) 29 Mechanical Properties - Impact										9																		
Cine / Delevite	Dof No	_	T*	n~ ^	and:4: · ·	1				-				64 II- /	1\	_		.vorc =:	£4 !!	h / !\	\neg			T. 0= -				
Size / Polarity	Ref. No.	_ v				ns			ip. F(C)	<u> </u>	Individuals ft.lb.				**						\dashv	Type						
5/32X14 in / AC	PE4173	+	As Welded As Welded						-51 C)				59 (100,70,80)				62 (84)				Charpy-V-Notch							
5/32X14 in / DCEP	PE4174	+					-51 C)	_			<u> </u>					111 (150)				Charpy-V-Notch								
1/8X14 in / DCEP	PE4178	4	As Welded				-60 F (-51 C)							6,144) 109 (148)						Charpy-V-Notch								
1/8X14 in / AC	PE4190	ļ			elded		-6	0 F (-51 C)		86,8	9,91	(117					89 (1	20) Charpy-V-Not									
Size / Polarity 1/8X14 in / DCEP	Ref. No. PE4178											ما ،اد	onfo	rmo														
1/8X14 in / AC	PE4170		onform			_			ontal :											+				: Conforms : Conforms : Conforms				
5/32X14 in / AC	PE4173	_	onform						ontal :																			
5/32X14 in / DCEP	PE4174	JC.	onform	ıs					ontal :	A nal	voic		<u> </u>	Ov	erhea	ad : C	Con	forms				/ertica	al : C	Confo	ms			
Size / Polarity	/ Ref. No.		С	Mn	Р	s	Si	Cu	1	V			Mo	ΑΙΙΤ	i Nb	Co	ĪВ	W Sn	TE	e Sb	JN	Ma	Zn	Ве	Sb			
1/8X14 in / DCEF			0.06	0.8		0.01	0.22		0.05	0.0		_	0.01			"	╁	111 9	Ť	1	+	9	-					
5/32X14 in / DCEP / CD83819			0.07	0.9		0.01	0.18	┢	0.06	0.0	_	-	0.04	+	╁	\vdash	┢	\vdash	╁	+	+							
1/8X14 in / AC			0.03	0.8	1	0.01	0.22	┢	0.05	0.0		_	0.01	+	╁	\vdash	┢	\vdash	╁	+	+							
5/32X14 in / AC / CD83824			0.03	0.8	-	0.01	0.15		0.06	0.0	_	_	0.04	+	╫	┢	┢		╁	+	+							
1/8X14 in / CD83817								Λς.			1 0.0	0 0	J.U4	-	Total	Coat	ina	Moietur	<u>.</u>	0.065	_							
		otal H2O Method : Train - As Received otal H2O Method : Train - As Received							Total Coating Moisture : 0.065 Total Coating Moisture : 0.072																			
														_	<u> </u>													
1/8X14 in / CD83822 Total H2O Method : Train - 9 Hour Total Coating Moisture : 0.4 5/32X14 in / CD83824 Total H2O Method : Train - 9 Hour Total Coating Moisture : 0.27																												
3/32X 14 III	/ 0003024			ioldi			ible Hy			llect	ted ner	· AW	S A4		ıolal	Cual	iriy	IVIOISIUI	C .	0.27	—				—			
			2.	.4 ml	/100g c										hun	niditv	,											
					/100g c																_							
			3.0	0 ml/	100g o	f weld	metal	for 5	5/32X14	in c	diamet	er 2	8% re	lativ	e hui	nidit	y				_							
			3.3	3 ml/	100g o	f weld	metal	for 5	5/32X14	in c	diamet	er 2	8% re	lativ	e hui	nidit	y											
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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.