

## Certificate of Conformance to Requirements for Welding Electrode

Product Type:	Fabshield XLR-8
Classification:	E71T-8J H8
Specifications:	AWS A5.20/A5.20M; ASME SFA 5.20
Diameter Tested:	1/16"; 5/64"
Date Tested:	6/16/2024
Date Generated:	1/2/2025

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.

							Tes	t Se	ettir	ngs																		
Shieldir	ng Medium	Amps / Polarity			Volts	Volts WFS in/min(m/min)				ESO in(mm)					Preheat F(C)					Interpass F(C)				Travel Speed in/min(cm/min)				
	N/A	29	295.5 / DCEN			2	228 (5.8	)	1.25 (32)						60(16)					300(149)				9.3 (23.6)				
	N/A	26	262 / DCEN				302 (7.7	)	1 (25)						Room Temp					300(149)				11.8 (30)				
					Ň	lecha	nical I	Prop	pert	ties	; - 1	[en	sile										,			_		
Shielding Medium Ref. No.				o.	Testi	ng Cond	litions	Τ	Ult. Tensile Strength psi (						MPa) Yield Strengt					uth psi (MPa)				Elong.% in 2"				
	N/A		PE816	57	Aged 48 Hrs 220F				84,000 ( 577 )						68,000 (						(470)				28			
	N/A		PE925	7	Ageo	T	86,000 ( 596 )								68,000 ( 472 )						23							
		,		,	Ν	lecha	nical I	Prop	ber	ties	; - I	mp	act													_		
Shieldin	g Medium	edium Ref. No. Tes					sting Conditions T				emp. F (C)					Individuals ft.lb.(J)						)	Туре					
Ν	I/A	PE8167				As Welded				-40 (-40) 33,					6,36 (45,49,49)					35 ( 47 )				Charpy-V-Noto				
N/A PE9257					As We		-40 (-40) 32,31,					31,3	,32 (43,42,43)					32 ( 43 )				Charpy-V-Notc						
Ref.No.	Radiograph		Fillet Weld Test												_	_												
PE8167		forms				Horizontal :							Overhead : Conforms									/ertic						
PE9257	Con	forms				Horizontal : Overhead : Conforms Vertic Chemical Analysis													ical : Conforms									
			С			1	1		_	<u> </u>						-							1_	-		<b>—</b>		
0	ielding Medium / Ref. No			Mn	Р	S	Si	Cu	Cr		Ni	Mo	Al	Ti	Nb	Co	В١	NS	n Fe	e St	) N	Mg	Zn	Be	Sb	A		
N/A / PE8167 0.22				0.49	0.012	0.005	0.19						0.58															
N/A / PE9257 0			0.20	0.53	0.015	0.004	0.19						0.68															
				C	Diffusib	le Hy	droge	n Co	olle	cte	ed p	ber	AWS	6 A4	1.3													
	N/A							7.0 m	nl/10	0g c	of we	eld m	netal fo	or 5/6	64 in	dian	neter	18%	rela	tive h	umi	dity						
		7.0 ml/100g of weld metal for 5/64 in diameter 18% relative humidity 5.8 ml/100g of weld metal for 1/16 in diameter 20% relative humidity																										

Jenes a Owing

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.