

Certificate of Conformance to Requirements for Welding Electrode

Product Type: FabCO 811A1
Classification: E81T1-A1C H8

Specifications: AWS A5.29/A5.29M; ASME SFA 5.29

Diameter Tested: .045"

Date Tested: 3/31/2022

Date Generated: 4/7/2022

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.

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

Test Settings

Shielding Medium		Amps / Polarity		y \	Volts WFS in/min(m/m			n)	ESO in(mm)				Preheat F(C)				Interpass F(C)				<u>. </u>	Travel Speed in/min(cm/min)			
C1 (10	250 /	DCEP	27			(11.4)			75 (19)			300(149)				49) 300(149)				13 (33)					
Mechanical Properties - Tensile																									
Shield	Ref. No.			Testing Conditions				Ult. Tensile Strength psi (MPa)						Yield Strength psi (MPa))	Elong.% in 2"					
C1 (1	PE:	3847	A	Aged 48 Hrs 220F				87,000 (603)						77,000 (529)						23					
Ref.No. Radiographic Inspection					Fillet Weld Test																				
PE3847	ns	Horizontal:							Overhead						: Conforms Ve					rtical : Conforms					
Chemical Analysis																									
Shielding I	С	Mn	Р	S	Si	Cu	Cr	V	Ni	Мо	AI	Ti Nt	Co	В	W :	Sn	Fe	Sb	NV	Иg	Zn [3е	Sb	As	
C1 (100%	0.06	0.91	0.012	0.009	0.30	0.04	0.04	0.01	0.02	0.45												\Box			
				Diffu	sible l	Hydr	ogen	Coll	ected	l per	AWS	Α	1.3												
C1 (100% CO2)							4	2 ml/1	OOa of	weld n	netal fo	or Oz	15 in	diam	eter	28%	rel	ative	hun 4	nidity	,				\neg

C1 (100% CO2) 4.2 ml/100g of weld metal for .045 in diameter 28% relative humidity

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.