



## **Certificate of Conformance** to Requirements for Welding Electrode

Customer: Product Type:

Customer P.O. No.: ER70S-6 Classification:

Order No.: Specifications: A5.18/SFA5.18, F-6, A-1

Stock Number: S303808-026 Diameter Tested: .045"

Date Tested: 12/19/16 Lbs. Shipped:

.035 in Date Generated: 1/18/2017 Diameter Shipped:

Lot Nos. Shipped:

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.

## MADE IN THE U.S.A. OF U.S.A. AND IMPORTED MATERIALS.

Test Settings																			
Shielding Medium		Amps / Polarity	Vol	Volts WFS in/min(m/		/min)	n) ESO in(mm)				Preheat F(C)			Interpass	s F(C)	Travel Speed in/min(cm/min)			
Co2		260 / DCEF	·	30	445 (11.3)		()				Room Temp		mp	325(163		5)			
Mechanical Properties - Tensile																			
Shielding	Shielding Medium		Т	Testing Conditions			Ult. Tensile Streng (MPa)				si Yield Strength			n psi (MPa)		Elong.% in 2"			
Co2		PD2741	741 Aged 48 H			Hrs 220F			82,000 ( 562 )			68,000 ( 467 )				26			
Mechanical Properties - Impact																			
Shielding	Shielding Medium		Testing	ing Conditions T			emp. F (C)			ndividuals ft.lb.(J)			Avg. ft.lb.(J)			Туре			
Co	Co2		As Wel		ed		-20 (-:	29)		91,84,	80 (12	(123,114,108)		85 ( 11		5) Charpy-V-No		lotch	
Ref.No.	Ref.No. Radiographic Inspection				Fillet Weld Test														
PD2741	PD2741 Conforms			Horizontal:							Overhead:					Vertical:			
Chemical Analysis																			
Shielding N	Shielding Medium / Ref. No		Mn	Р	S	Si	Cu	Cr	V	Ni	Мо	AI T	i Nb	Co B W	' Sn I	Fe S	b N Mg Z	Zn Be S	3b As
NONE / CD22413		0.08	1.40	0.006	0.006	0.90	0.02	0.01	0.00	0.01	0.01								

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.