

Product Type:	FabCOR ULTIMET 716 .045 33 SP
Classification:	E70C-6M H4
Specifications:	AWS A5.18-2005; SFA5.18
Diameter Tested:	.045"
Date Tested:	6/14/2017
Date Generated:	6/16/2017

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	st Set	tings									-			
Shielding Medium	Amps / Polarity		Volts WFS		min) ESO in(mm)				Preheat F(C)			Interpass F(C)			Travel Speed in/min(cm/min)				
M21-ArC-25 250 / DCEP		28	340 (	8.6)	3/4 (19)			<b>F</b>	Room Temp			300(149)			9) 12 (30.5)				
				Mecha	nical	Prope	erties	- Tens	sile										
Shielding Medium Ref. No.		Testin	U	Ult. Tensile Strength ps (MPa)			si	i Yield Strength			n psi (MPa)			Elong.% in 2"					
M21-ArC-25	PD3	309	As	As Welded			81,000 ( 556 )			66,000			(458)			31			
				Mecha	nical	Prope	erties	- Impa	act										
Shielding Medium	Ref. No.	T	Festing Cor				p. F (C) Individua			t.lb.(J)	Avg. ft.lb.(J)			Туре					
M21-ArC-25 PD3309		As W	As Welded			9)	64,74	(96,87,	70 ( 94 )										
Ref.No. Radiogr	liographic Inspection			Fillet Weld Test															
PD3309 Conforms			Horizon	tal :	(				Overhead :					Vertical :					
					Chem	nical A	nalys	is											
Shielding Medium / Ref.	ef. No C		Mn F	• S	Si	Cu	Cr	V	Ni	Mo	AI Ti	Nb	Co	3 0	V S	n   F	e Sb N M	g Zn B	
M21-ArC-25 / CD248	121-ArC-25 / CD24850 0.03		1.67 0.0	10 0.010	0.77	0.05	0.05	0.00 0	0.02	0.01		- 1	-						
			Dif	fusible Hy	droge	en Col	lecte	d per /	AWS	A4.3									
M21-ArC-25					4.0 ml/100g of weld metal for .045 in diameter 30% relative humidity														

Invel A. Thomas

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. Hobart Brothers produces welding consumables under continuing quality assurance programs audited and approved by the American Bureau of Shipping ("ABS").