Certificate of Conformance to Requirements for Welding Electrode

Hobart

Product Type:	316L Sterling
Classification:	E316L-17
Specifications:	AWS A5.4/ASME SFA 5.4
Diameter Tested:	
Date Tested:	
Date Generated:	7/22/2016

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 ISO9000, ANSI/AWS A5.01, and other specification and Military requirements, as applicable.

Test Settings

Amps	Volts	Size	Polarity	Preheat	Interpass	Travel Speed
105	20-25	1/8X14 in	DCEP	F (C)	F (C)	+- 1 in/min

Mechanical Properties - Tensile

Size / Polarity	Ref. No.	Testing Conditions	Ult. Tensile Strength	Yield Strength	Elong.% in 2"
1/8X14 in / DCEP	pa0632	As Welded	82,000 psi (565 Mpa)	61,000 psi (421 Mpa)	42

Size / Polarity	Ref. No.	Radiograph	Fillet Weld Test			
1/8X14 in / DCEP	PA0632	None	Horizontal :		Overhead :	Vertical :

Chemical Analysis

Size / Polarity / Ref. No.	C	Mn	P	S	Si	Cu	Cr	V	Ni	Mo	Al	Ti	Nb	Co	B	W	Sn	Fe	Sb	N	Mg	Zn	Be
1/8X14 in / DCEP / CA8619	0.02	0.65	0.011	0.017	0.58	0.05	18.12	0.08	12.29	2.63	-	-	-	-	-	-	-	-	-	-	-	-	-

Steve Knostman , Quality Engineer

The information 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").