



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

Product Type: **DECKMASTER 1139**  
 Classification: **E6022**  
 Specifications: **AWS A5.1/A5.1M:2004**  
 Diameter Tested:  
 Date Tested: **01/22/2018**  
 Date Generated: **1/30/2018**

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. OF U.S. AND IMPORTED MATERIALS.**

**Mechanical Properties - Tensile**

Size / Polarity	Ref. No.	Testing Conditions	Ult. Tensile Strength psi(MPa)	Yield Strength psi(MPa)	Elong.% in 2"
5/32X14 in / AC	pd5249	Aged 48 Hrs 220F	60,000 ( 412 )	NA	<b>NA</b>
5/32X14 in / DCEN	PD5250	Aged 48 Hrs 220F	60,000 ( 410 )	NA	<b>NA</b>
1/8X14 in / AC	PD5247	Aged 48 Hrs 220F	60,000 ( 417 )	NA	<b>NA</b>
1/8X14 in / DCEN	PD5248	Aged 48 Hrs 220F	60,000 ( 413 )	NA	<b>NA</b>

Longitudinal Bend Test PD5247 : CONFORMS  
 Longitudinal Bend Test PD5248 : CONFORMS  
 Longitudinal Bend Test pd5249 : CONFORMS  
 Longitudinal Bend Test PD5250 : CONFORMS

**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	Sb	As
1/8X14 in / AC / CD34958	0.19	0.80	0.012	0.012	0.02																				
5/32X14 in / AC / CD34959	0.15	0.71	0.011	0.010	0.01																				

Steve Knostman, Quality Engineer

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.