



Manufactured In The USA

Certificate of Conformance

This is to certify that the product stated below is of the same classification, manufacturing process, and material requirements as the electrode used for the testing on the date stated. All tests required by the specifications for classification were performed and the material met all requirements. It was manufactured and supplied according to the quality management system of Select-Arc, Inc., which meets the requirements of ISO 9001 and other applicable specifications. This certificate complies with the requirements of EN 10204, Type 2.2.

Product: Select 730
 Diameter(s): .045 - 1/16
 Specifications: AWS A5.20:2005, AWS A5.36:2016
 Classification: E71T-1C-H8, E71T-9C-H8, E71T-1M-H8, E71T-9M-H8, E71T1-C1A2-CS1-H8

Test Completion Date: 8/17/2018
 Lot Numbers: (1/16) 9842

Chemical Analysis (wt%)

Diameter		1/16		
Shielding Gas		75% Ar / 25% CO2	CO2	
	Max	Min	Results	Results
C	0.12	-	0.05	0.04
Mn	1.75	-	1.45	1.20
P	0.03	-	0.011	0.011
S	0.03	-	0.009	0.009
Si	0.90	-	0.74	0.56
B	-	-	0.007	0.006

Weld Parameters

Electrode Diameter:	1/16	
Shielding Gas	75% Ar / 25% CO2	CO2
Amperage:	292	284
Arc Voltage:	28.0	29.0
Current Polarity:	DCEP	DCEP
CTWD (in):	5/8	5/8
No. of Passes/Layers:	12/6	12/6
Interpass Temperature(°F):	300	300

Radiographic Test: Met Requirement
 Fillet Weld Test: Met Requirement

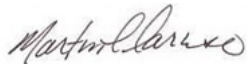
Weld Metal Diffusible Hydrogen (ml/100g) per AWS A4.3-93

Diameter:	1/16
Shielding Gas	CO2
Requirements	Results
8	4.7

Mechanical Properties

Electrode Diameter:		1/16	
Shielding Gas		75% Ar / 25% CO2	CO2
Requirements		Results	Results
Test Condition:	As-Welded	As-Welded	As-Welded
PWHT Temperature:	-	-	-
Tensile Strength (psi):	70000 - 95000	93000	84000
Yield Strength (psi):	58000 min	87000	75000
Elongation (%):	22 min	28	30
Charpy V-Notch Impacts:		105, 114, 109	119, 101, 95
ft-lb f @ 0°F	20 avg.	109 avg	105 avg
Charpy V-Notch Impacts:		79, 98, 92	81, 87, 83
ft-lb f @ -20°F	20 avg.	90 avg	84 avg

The undersigned certifies that the product supplied will meet the requirements of the applicable AWS Filler Metal Specification when tested in accordance with that specification.

Signed By: 
 Martin L. Caruso, Director of Technology