SELECT ARC INC.

600 Enterprise Drive
PO Box 259
Fort Loramie, OH 45845
800.341.5215

AWS D1.8 Seismic 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 70C-6LS
Diameter(s): .052
Lot Class: ' T4 ' per AWS A5.01
Specifications: AWS D1.8:2021

Test Completion Date: 7/18/2023
Lot Numbers: (.052) 3247
Certificate Expiration Date: 7/18/2026

Weld Parameters - High Heat Input

Lot Number:	3247
Electrode Diameter:	.052
Shielding Gas	90%Ar / 10%CO2
Amperage:	336.0
Arc Voltage:	29.5
Current Polarity:	DCEP
CTWD (in):	3/4
No. of Passes/Layers:	8/5
Interpass Temperature(°F):	500
Heat Input Avg.(kJ/in.):	68.7

Mechanical Properties - High Heat Input

	Lot Number:	3247
	Shielding Gas	90%Ar / 10%CO2
Requirements		**Results**
Test Condition:	As-Welded	As-Welded
PWHT Temperature:	-	-
Tensile Strength (psi):	70000 min	76000
Yield Strength (psi):	58000 min	63000
Elongation (%):	22 min	31
Charpy V-Notch Impacts:		87, 82, 78
ft-lb f @ 32°F	20 avg. min	82 avg
Charpy V-Notch Impacts:		107, 95, 102
ft-lb f @ 70°F	20 avg. min	101 avg

Weld Parameters - Low Heat Input

Lot Number:	3247
Electrode Diameter:	.052
Shielding Gas	90%Ar / 10%CO2
Amperage:	278.0
Arc Voltage:	26.5
Current Polarity:	DCEP
CTWD (in):	3/4
No. of Passes/Layers:	17/8
Interpass Temperature(°F):	250
Heat Input Avg.(kJ/in.):	29.1

Mechanical Properties - Low Heat Input

	Lot Number:	3247
	Shielding Gas	90%Ar / 10%CO2
Requirements		**Results**
Test Condition:	As-Welded	As-Welded
PWHT Temperature:	-	-
Tensile Strength (psi):	70000 min	87000
Yield Strength (psi):	58000 min	75000
Elongation (%):	22 min	28
Charpy V-Notch Impacts:		97, 92, 87
ft-lb f @ 32°F	20 avg. min	92 avg
Charpy V-Notch Impacts:		106, 110, 107
ft-lb f @ 70°F	20 avg. min	107 avg

This product meets the requirements for a 2 week exposure at 80°F, 80% humidity (per Annex E of AWS D1.8)

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: _____

Joshua S Westerheide, Quality Manager