CERTIFICATE OF CONFORMANCE

Manufactured in the U.S.A. by :
SELECT-ARC, INC.
600 Enterprise Dr.
P. O. Box 259
Fort Loramie, OH 45845

Supplied to:

Date:
Customer Order Number:
Order Number:
Lot/ Production No. Shipped:

This is to certify that **Select 70C-6** electrode, classification **E70C-6M**, as supplied on the above order number, is of the same classification, manufacturing process and material requirements as the electrode used for testing. All tests required by specifications **AWS A5.18/ASME SFA-5.18**, for wire diameters .035" through 3/32"", were performed in conformance with these specifications and the results met all requirements. The test results were as follows:

CHEMICAL ANALYSIS (%)

	Carbon	Manganese	Silicon	Sulphur	Phosphorus	Nickel	Chromium	Molybdenum	Vanadium	Copper
Requirements:	0.12 max.	1.75 max.	0.90 max.	0.03 max.	0.03 max.	0.50 max.	0.20 max.	0.30 max.	0.08 max.	0.50 max.
Deposit Analysis: .045" diam.	0.06	1.55	0.66	0.010	0.009	0.02	0.03	<0.01	<0.01	0.06

RADIOGRAPHIC TEST
Met requirements

FILLET WELD TEST

MECHANICAL PROPERTIES AS WELDED ☒ STRESS RELIEVED (hr @ °F) ☐

WELDING PARAMETERS:

Electrode Diameter (in): .045
Amperage: 250
Arc Voltage: 28.5
Current Polarity: DCEP
Electrical Extension (in): 3/4
Shielding Gas: 75Ar/25CO_2
No. of Passes/Layers: 12/6
Interpass Temperature (°F): 300 +/-25

TEST RESULTS:

	Requirements	Actual Results
Tensile Strength (psi):	70,000 min.	87,200
Yield Strength (psi):	58,000 min.	78,900
Elongation (%):	22 min.	28
Charpy V-notch Impact: ft•lb *f* @ -20°F	20 min. avg.	48,43,46,40,49 46 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, and that no significant change has been made in the formulations and manufacturing procedures described in the qualification approval. This certification is in compliance with EN 10204, Type 3.1.

Signed by: _____

Ronald B. Smith, Technical Director