

Diameter: 1/16

## 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-6	Test Completion Date: 4/20/2020
Diameter(s): 1/16	Lot Numbers: (1/16) 3861 4050 6415
Lot Class: 'T4' per AWS A5.01	Certificate Expiration Date: 4/20/2023
Specifications: AWS D1.8: 2016	
Classification: E70C-6M	

### Weld Parameters - High Heat Input

Lot Number:	3861	4050	6415
Electrode Diameter:	1/16	1/16	1/16
Shielding Gas	90%Ar / 10%CO2	90%Ar / 10%CO2	90%Ar / 10%CO2
Amperage:	340.0	335.0	339.0
Arc Voltage:	28.0	28.0	28.0
Current Polarity:	DCEP	DCEP	DCEP
CTWD (in):	1	1	1
No. of Passes/Layers:	8/5	8/5	8/5
Interpass Temperature(°F):	450	450	450
Heat Input Avg.(kj/in.):	67.5	71.9	67.8

### Weld Parameters - Low Heat Input

Lot Number:	3861	4050	6415
Electrode Diameter:	1/16	1/16	1/16
Shielding Gas	90%Ar / 10%CO2	90%Ar / 10%CO2	90%Ar / 10%CO2
Amperage:	317.0	311.0	322.0
Arc Voltage:	26.0	26.0	26.0
Current Polarity:	DCEP	DCEP	DCEP
CTWD (in):	1	1	1
No. of Passes/Layers:	18/9	18/9	16/8
Interpass Temperature(°F):	250	250	250
Heat Input Avg.(kj/in.):	28.7	28.2	29.4

### Mechanical Properties - High Heat Input

Lot Number:		3861	4050	6415
Shielding Gas		90%Ar / 10%CO2	90%Ar / 10%CO2	90%Ar / 10%CO2
<b>Requirements</b>		<b>Results</b>	<b>Results</b>	<b>Results</b>
Test Condition:	As-Welded	As-Welded	As-Welded	As-Welded
PWHT Temperature:	-	-	-	-
Tensile Strength (psi):	70000 min	79000	83000	80000
Yield Strength (psi):	58000 min	62000	64000	63000
Elongation (%):	22 min	32	31	30
Charpy V-Notch Impacts:		92, 101, 103	104, 105, 110	98, 103, 98
ft-lb f @ 70°F	40 avg.	98 avg	106 avg	100 avg

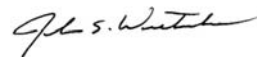
### Mechanical Properties - Low Heat Input

Lot Number:		3861	4050	6415
Shielding Gas		90%Ar / 10%CO2	90%Ar / 10%CO2	90%Ar / 10%CO2
<b>Requirements</b>		<b>Results</b>	<b>Results</b>	<b>Results</b>
Test Condition:	As-Welded	As-Welded	As-Welded	As-Welded
PWHT Temperature:	-	-	-	-
Tensile Strength (psi):	70000 min	86000	91000	86000
Yield Strength (psi):	58000 min	74000	81000	73000
Elongation (%):	22 min	26	26	29
Charpy V-Notch Impacts:		145, 139, 139	114, 117, 119	144, 141, 137
ft-lb f @ 70°F	40 avg.	141 avg	117 avg	140 avg

This product meets the requirements for a 2 week exposure at 80°F, 80% humidity (per Annex E of AWS D1.8:2016)

**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**