

# CERTIFICATE OF ANALYSIS

FOR

## PROTOUCH WET WELDING ELECTRODES

CUSTOMER ORDER NUMBER

TYPE: PROTOUCH

SIZE: 1/8"

LOT NO:

SPECIFICATION: AWS A5.1

STOCK NO:

CLASS: E70XX

### TYPICAL WELD METAL PROPERTIES

WELD METAL CHEMISTRY(%)

MECHANICAL PROPERTIES

C	0.055	Ultimate Tensile Strength 75,659 psi
Mn	0.467	0.2% Offset Yield Strength 66,619 psi
Si	0.330	Elongation in 2" 11%
P	0.008	Charpy impact energy: 39 ft.lbs. @ 28F
F		
S	0.016	
Nb	0.006	
Ni	0.067	
Cr	0.025	
V	0.024	
Cu	0.015	
		Radiographic inspection met and exceeded the acceptance criteria of AWS D3.6 for Class A welds and the Class 1 acceptance criteria of MIL-STD-2035 for surface welding.

Note: Electrode Size- 1/8" Welding  
Position- Vertical Water  
Depth/Type- 30/Fresh

The above chemical results and mechanical properties were obtained from actual tests run by Accurate Weldment Testing, reference certificate number 60704, dated 20 March 2020. Other tests and procedures may produce different results.

CERTIFIED:

DATE: