



# CERTIFICATE of Compliance

U.S. ALLOY CO.  
dba Washington Alloy  
7010-G Reames Rd.  
Charlotte, NC 28216  
[www.weldingwire.com](http://www.weldingwire.com)

Quality Management System  
in accordance with  
ISO 9001:2000  
Cert # 05-R0925

TRADE NAME: USA E71T-GS  
Specification: AWS A 5.20 : ASME SFA 5.20  
Classification: E71T-GS

## Chemical Composition for Weld Metal

	AWS Requirements	Typical
Carbon (C)	Not Specified	0.16
Manganese (Mn)	Not Specified	0.82
Silicon (Si)	Not Specified	0.31
Phosphorus (P)	Not Specified	0.014
Sulfur (S)	Not Specified	0.005
Aluminum (Al)	Not Specified	1.30
Nickel (Ni)	Not Specified	
Molybdenum (Mo)	Not Specified	
Vanadium (V)	Not Specified	
Copper (Cu)	Not Specified	
Chromium (Cr)	Not Specified	

## Mechanical Properties

	Minimum AWS Requirements	Typical
Tensile Strength (Transverse )	70,000psi	75,000 psi
Yield Strength	Not Specified	N/A
Elongation in 2"	Not Specified	22%
Charpy V-notch Impact Average	Not Specified	N/A
Longitudinal Bend Test	No opening exceeding 1/8"	Conforms

This certification is provided by Washington Alloy Co., A U.S. Alloy Company, with the expressed understanding that if the product supplied fails to conform to the stated specifications, there shall be no personal liability of any kind on the undersigned and no obligation and liability of Washington Alloy Co., with respect to such non-conformance or specification failure, shall be limited to

- 1) an obligation to furnish the purchaser, at no additional charge, material that meets the specifications and conformances or
- 2) to refund to the purchaser the full amount of money paid to Washington Alloy Co. for the product in full.

In no event shall Washington Alloy be liable for consequential damage.

**This certifies that the product supplied will meet the requirements of the noted classification and data above. Products supplied in accordance to the Quality Management System of Washington Alloy Company.**

  
Certification Administrator

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