



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

# CERTIFICATE of Compliance

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

TRADE NAME: USA 7014  
Specification: AWS A 5.1 : ASME SFA 5.1  
Classification: E7014

## Chemical Composition for Weld Metal

	AWS Requirements	Typical
Carbon (C)	0.15 max.	0.08
Manganese (Mn)	1.25 max.	0.60
Silicon (Si)	0.90 max.	0.35
Phosphorus (P)	0.035 max.	0.017
Sulfur (S)	0.035 max.	0.010
Nickel (Ni)	0.30 max.	
Chromium (Cr)	0.20 max.	
Molybdenum (Mo)	0.30 max.	
Vanadium (V)	0.08 max.	
Mn + Ni + Cr + Mo + V	1.50 max.	

## Mechanical Properties for Weld Metal

	Minimum AWS Requirements	Typical
Tensile Strength	70,000 psi	79,000 psi
Yield Strength	58,000 psi	69,000 psi
Elongation in 2"	17 %	30 %
Charpy V-notch Impact Average	Not Specified	58 ft · lbs at 32°F

*This certification is provided by Washington Alloy Co. with the expressed understanding that if the product supplied fails to conform the stated specifications, there shall be no personal liability of any kind on the undersigned and the obligation and liability of Washington Alloy Co., with respect to such non-conformance or specification failure, shall be limited to a) an obligation to furnish the purchaser, at no additional charge, material that meets the specifications and conformances or b) to refund to the purchaser the full amount of money paid to Washington Alloy Co. for the return of the product in full. In no event shall Washington Alloy Co. 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

EAST COAST  
7010-G Reames Rd  
Charlotte, NC 28216  
Tel (888) 522-8296  
Fax (704)598-6673

WEST COAST  
8535 Utica Ave  
Rancho Cucamonga, CA 91730  
Tel(800)830-9033  
Fax (909)291-4586



Print Date : 10/11/2006

Washington Alloy Company believes that all information and data given is correct. Use this information to assist in making your own evaluations or decisions and this information should not be mistaken as an expressed or implied warranty. U.S. ALLOY CO. assumes no liability for results or damages incurred from the use of any information contained herein, in whole or in part.