

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

CERTIFICATE of Compliance

TRADE NAME: USA 80S-Ni1 Specification: AWS A5.28: ASME SFA 5.28

Classification: ER80S-Ni1



dba Washington Alloy 7010-G Reames Rd. Charlotte, NC 28216 www.weldingwire.com





Chemical Composition % for Weld Wire

AWS Requirements

	Aws Requirements	
Carbon (C)	0.12 max.	
Manganese (Mn)	1.25 max.	
Silicon (Si)	0.40-0.80	
Phosphorus (P)	0.025 max.	
Sulfur (S)	0.025 max.	
Nickel (Ni)	0.80 -1.10	
Chromium (Cr)	0.15 max.	
Molybdenum (Mo)	0.35 max.	
Copper (Cu)	0.35 max.	
Vanadium (V)	0.05 max.	

Mechanical Properties

Minimum AWS Requirements

Tensile Strength	80,000 psi	
Yield Strength	68,000 psi	
Elongation in 2"	24 %	
Charpy V-notch Impact Average	20 ft lbs at -50°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 abligation 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.



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

GULF COAST 4855 Alpine Drive #190 Stafford, TX 77477 Tel (877) 711-9274 Fax (281)313-6332

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

WA ALLOY CO.

Warehouse Distribution Center – Dayton, Ohio

Head Office – Puyallup, Washington

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.