



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

TRADE NAME: USA 308L-HiSi
Specification: AWS A 5.9 : ASME SFA 5.9
Classification: ER308LSi

Chemical Composition for Weld Wire

| | AWS Requirements | Typical |
|-----------------|------------------|---------|
| Carbon (C) | 0.03 max. | 0.02 |
| Chromium (Cr) | 19.5-22.0 | 19.70 |
| Nickel (Ni) | 9.0-11.0 | 9.82 |
| Molybdenum (Mo) | 0.75 max. | 0.30 |
| Manganese (Mn) | 1.00-2.50 | 1.83 |
| Silicon (Si) | 0.65-1.00 | 0.74 |
| Phosphorus (P) | 0.03 max. | .002 |
| Sulfur (S) | 0.03 max. | .002 |
| Copper (Cu) | 0.75 max. | 0.20 |

Mechanical Properties

| | AWS Requirements | Typical ¹ |
|-------------------------------|------------------|--------------------------------|
| Tensile Strength | Not required | 86,500 psi |
| Yield Strength | Not required | 57,000 psi |
| Charpy V-notch Impact Average | Not required | 91 ft ³ lbs at 72°F |
| Elongation in 2" | Not required | 42 % |
| Ferrite Content | Not required | 11-12 (DeLong) |

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.

¹Typical Results based on 98% Ar - 2% O₂


Certification Administrator

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