HOBART FILLER METALS

WELDING PRODUCTS

CERTIFICATE OF ANALYSIS

CUSTOMER :

MARKED FOR :

PACK SLIP\ORDER# :

P.O. NUMBER : 2000-014921/PO:ICO-02533149

DATE : 07/16/2026

WORK ORDER :

TYPE : 316/316L

SIZE : 1/16"*36"

LOT NO. : 260622116T16

PACKAGE WEIGHT : 10 lbs

HEAT NO. : E45116

SPECIFICATION : AWS A5.9, ASME SFA-5.9
ER316/ER316L EN 10204 3.1 (For Actual Chemistry Only)

PART NUMBER : S512311-I12

Actual Chemistry :

FILLER METAL CHEMISTRY(%)

C	0.008
Cr	18.01
Ni	12.04
Mo	2.50
Mn	1.50
Si	0.53
P	0.027
S	0.001
Cu	0.33
Nb	0.026
N	0.040

This material has not come in contact with mercury or mercury containing compounds.

Typical Mechanical Properties :

86,000 Tensile Psi
65,000 Yield Psi
51 % Elongation

Charpy V-Notch Average = 97 Ft Lbs. @ -320 Degrees F

Lateral Expansion = 56 mils @ -320 Degrees F

This typical mechanical Information should not be construed as actual results.

Ferrite(s) :

FN (Magnetic)
8.6 FN (Delong)
6.7 FN (WRC)
6.9 % Ferrite (Schaeffler)

We hereby certify that the above product has been classified in accordance with the listed specification and conforms to all applicable requirements thereof.

Filler Metals Quality Assurance

Hobart Brothers Company

Hobart Square

Troy, Ohio 45373

Authorized Signature Thomas Yeh