



**CERTIFICATE OF ANALYSIS**

CUSTOMER :  
MARKED FOR :  
PACK SLIP/ORDER# :

P.O. NUMBER : 118985  
DATE : 01/17/2018  
WORK ORDER :

TYPE : 316/316L

SIZE : 1/8"\*36"

LOT NO. : 8010266107

LBS SHIPPED : 10 lbs

HEAT NO. : E85661

SPECIFICATION : AWS A5.9, ASME SFA5.9  
ER316/ER316L

PART NUMBER : S512346-112

Actual Chemistry :

FILLER METAL CHEMISTRY(%)

C	0.009
Cr	18.06
Ni	12.09
Mo	2.60
Mn	1.60
Si	0.55
P	0.029
S	0.001
Cu	0.33
Nb	0.016
N	0.030

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

Typical Mechanical Properties :

86,000 Tensile Psi  
57,000 Yield Psi  
36 % Elongation  
Charpy V-Notch Average = 34 Ft Lbs. @ -320 Degrees F

Ferrite(s) :

FN (Magnetic)  
9.9 FN (DeLong)  
7.6 FN (WRC)  
7.0 % Ferrite (Schaeffler)

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

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