



WELDING PRODUCTS

**CERTIFICATE OF ANALYSIS**

CUSTOMER :  
MARKED FOR :  
PACK SLIP/ORDER# :

P.O. NUMBER : 119723  
DATE : 06/01/2021  
WORK ORDER :

TYPE : 316L HISIL

SIZE : 0.045"

LOT NO. : 210503859M11

LBS SHIPPED : 30 lbs

HEAT NO. : 6H859

SPECIFICATION : AWS A5.9, ASME SFA-5.9

PART NUMBER :

ER316LSi EN 10204 3.1 (For Actual Chemistry Only)

**Actual Chemistry :**

**FILLER METAL CHEMISTRY(%)**

C	0.019
Cr	18.22
Ni	11.40
Mo	2.56
Mn	1.87
Si	0.76
P	0.025
S	0.014
Cu	0.15
Nb	0.002
N	0.050

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

**Typical Mechanical Properties :**

87,000 Tensile Psi

57,000 Yield Psi

38 % Elongation

Charpy V-Notch Average = 36 Ft Lbs. @ -320 Degrees F

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

**Ferrite(s) :**

FN (Magnetic)

10.6 FN (DeLong)

8.0 FN (WRC)

8.6 % 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

*J. M. Wark*