

09994

**Ship To: 12177-1**  
 SWAGELOK WINNIPEG  
 118 COMMERCE DRIVE  
 WINNIPEG, MB R3P 0Z6  
 CANADA

**Sold To: 12177**  
 SWAGELOK SASKATOON  
 1540 Alberta Ave  
 SASKATOON, SK S7K 7C9  
 CANADA

**Page:** 1 of 1  
**Customer PO:** 8002001  
**Shipper:**  
**Sales Order:** 62987.1  
**Item Number:** S316L0125S-286  
**Lot:** 883962

**Customer Item:**  
**Customer Drawing:**

**HEAT# 707880**

**SPECIFICATION REQUIREMENTS**

**Alloy/Grade:** 316L      **Temper:** ANNEALED  
**Specifications:** ASME SA213-19A EAW, ASTM A1016-18A, ASTM A213-19A EAW, ASTM A269-15A, ASTM A632-04

TOLERANCE	ACTUAL DIMENSIONS
<b>Length:</b> 20 ft / 20 ft 1.0000"	
<b>OD:</b> .1250 / .1280	.1266 / .1268
<b>ID:</b> .0000 / .0000	.0000 / .0000
<b>Wall:</b> .0315 / .0385	.0333 / .0334

**Qty Shipped:** 2640      **Date Shipped:** 10/19/2020

TP 316 SMLS / TP 316L SMLS

**MECHANICAL PROPERTIES**

TENSILE, PSI	YIELD, PSI	ELONGATION %	HARDNESS
75000 MIN	30000 MIN	35 MIN	HRB 90 MAX
87800	65900	50	
88000	65700	49	

**OTHER TESTS**

Flare OK, Flatten OK, Clean ID, Clean OD, Bright ID, Bright OD  
 100% Pressure Tested at 1000 psi  
 Hardness Certified by Tensile Properties

**CHEMICAL ANALYSIS**

**Heat:** 707880      **Melter:** Sanyo      **Country of Origin:** Japan  
**C:** 0.018      **Mn:** 1.16      **P:** 0.036      **S:** 0.007      **Si:** 0.33  
**Cr:** 16.80      **Ni:** 12.22      **Mo:** 2.06

THIS IS TO CERTIFY THAT ALL REQUIRED INSPECTIONS AND TESTS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE ORDER REQUIREMENTS AND THAT THE VALUES SHOWN ARE CORRECT AND TRUE. BASED ON THESE TESTS, THE MATERIAL COMPLIES WITH THE ORDER REQUIREMENTS.

--- SEAMLESS TUBE MANUFACTURED IN USA ---  
 --- MATERIAL PRODUCED FREE OF MERCURY ---  
 --- PRODUCT RoHS, RoHS2 & RoHS3 COMPLIANT ---

ALL TEST RESULTS ARE MAINTAINED ON FILE PER CMC-QAD-SOP-010

By: Dee Z Doug Fanner Lab Tech

Date: 10/15/2020