



**GREENVILLE TUBE COMPANY LLC** Material Test Report per EN 10204 3.1  
 501 S Montgomery St  
 Clarksville, AR 72830

CUSTOMER: EDMONTON VALVE & FITTING INC



**GREENVILLE TUBE COMPANY**  
 PHONE 1-479-754-6500 FAX 1-479-754-8426 4503 - 93 STREET  
 ORDER NUMBER GV427062/2 PO Number 823085-0 EDMONTON, AB, T6E 5S9

SHIPPED TO: EDMONTON VALVE & FITTING INC  
 4503-93 STREET NW  
 DFARS

PART ID CS0500049S31603AJS07 DESCRIPTION .500 OD X .049 AW 316/316L SMLS Tube

SPEC ASTM-A-269-15e(2019)/A-213-21b/ASME-SA-213-21 780-437-0640 EDMONTON AB, T6E 5S9 CANADA

55-78-5-049-20

FINISH Cold Drawn, Bright Annealed & Passiv CONDITION Bright Solution Annealed  
 DATE CERTIFIED 4/13/2022 EACH TUBE ON THIS ORDER HAS BEEN SPECTROGRAPHICALLY CHECKED FOR 316  
 TESTS PERFORMED HARDNESS 77/76 HRB

HARDNESS TEST PERFORMED ON OD, CORRECTED FOR CURVATURE PER ASTM E18

TENSILE STRENGTH	YIELD STRENGTH	ELONGATION	EDDY CURRENT
88658 PSI	43961 PSI	55%	FLARE
89816 PSI	44211 PSI	55%	FLAT
			Pass
OTHER TESTS	STR. .002		Pass

**CHEMICAL ANALYSIS**

HEAT NUMBER 404155 TYPE 316/316L Seamless

C	Mn	P	S	SI	NI	Cr	Mo	TI	N	Fe	Ta	Nb(Cu)+Te	Cu	Nb(Cb)	Al	Co
L .018	1.14	.036	.008	.29	12.24	17.42	2.07						.30			.20
P .019	1.16	.036	.008	.30	12.42	17.44	2.08						.31			.20

"I HEREBY CERTIFY THAT THE HEAT NUMBERS, ANALYSIS AND TESTS DETAILED HEREON, ARE CORRECT AS CONTAINED IN THE RECORDS OF THIS CORPORATION"

Country of Manufacture: United States of America Country of Melt: Japan

Pieces: 194 Footage: 3880



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SPEC ASTM-A-269-15a(2019)/A-213-21b/ASME-SA-213-21

780-437-0640  
EDMONTON AB, T6E 5S9 CANADA

**COMMENTS**

TAG: PO #823085-0 // PIN SS-T8-S-049-20

RB90 MAX

DFARS COMPLIANT

PER THE SWAGelok SPEC SCS-00062 WITH THE EXCEPTION OF SECTION 7.2 OD POLISH - TUBING WILL HAVE A UNIFORMLY BRIGHT ANNEAL FINISH

The material associated with this order passed a 24 HOURS ASTM-A 262 PRACTICE E CORROSION TEST

TARIFF CLASSIFICATION: 7304.41.0000 (2B999.G)(300 SERIES SMLS)

MERCURY FREE

STRAIGHTNESS .010"/FT WITH IN ANY 3' SEGMENT

Manufactured in USA

NACE MR0175

Greenville Tube Company certifies that the material used to manufacture this product is contamination-free from asbestos, teflon, mercury/lead, sulfur or any special metal alloy which is liquid at ambient temperature. This product is compliant with the European Community RoHS Directive 2011/65/EU. Greenville Tube Company Certifies the items represented by the information stated above conforms in all respects to the specification and to all other requirements stated in the purchase order.

SIGNED:

*John M. Schmoker*

F8.2.4.4 Rev 2

John Schmoker  
Quality Tech Assist

Material on this order was manufactured and shipped from Clarksville, AR, USA