



**GREENVILLE TUBE COMPANY LLC** Material Test Report per EN 10204 3.1

501 S Montgomery St  
Clarksville, AR 72830

CUSTOMER: PAC STAINLESS LTD



**GREENVILLE TUBE COMPANY**

PHONE 1-479-754-6500 FAX 1-479-754-8426

5259 BRITTMOORE ROAD  
HOUSTON, TX 77041

SHIPPED TO: PAC STAINLESS LTD.  
5259 BRITTMOORE ROAD  
DFARS

ORDER NUMBER

GV426604/1

PO Number 61785H

HOUSTON, TX 77041

DFARS

PART ID CS05000495316031AS07

DESCRIPTION

.500 OD X .049 AW 316/316L SMLS Tube  
ASTM-A-269-15a(2019)/A-213-21b/ASME-SA-213-19

206-824-7780  
HOUSTON, TX 77041 USA

FINISH Cold Drawn, Bright Annealed & Passiv CONDITION Bright Solution Annealed

DATE CERTIFIED 11/24/2021 EACH TUBE ON THIS ORDER HAS BEEN SPECTROGRAPHICALLY CHECKED FOR 316

TESTS PERFORMED

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

TENSILE STRENGTH	YIELD STRENGTH	ELONGATION	EDDY CURRENT
88213 PSI	53945 PSI	55%	FLARE
85360 PSI	55360 PSI	55%	FLAT
			Pass

**CHEMICAL ANALYSIS**

HEAT NUMBER 509438

TYPE 316/316L Seamless

C	Mn	P	S	SI	Ni	Cr	Mo	TI	N	Fe	Ta	Nb(Cu)*Ta	Cu	Nb(Cb)	Al	Co
L .016	1.12	.035	.007	.31	12.20	17.38	2.06						.27			.19
P .025	1.13	.036	.007	.32	12.27	17.38	2.05						.27			.18

\*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: Footage:



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SPEC

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**COMMENTS**

TAG: PO 61785H // PAC TRAK# 61785 // PN 760500049BBAO

RB 80 MAX

NACE MR0175 / MR0103 / ISO 15156

DFARS COMPLIANT

Greenville Tube certifies that all material is subjected to a solution annealing heat treatment at a temperature of 1900 degrees F minimum followed by rapid air quenching to below 800 degrees F in less than three minutes.

PMI TESTED - PASS

Greenville Tube Company certifies that the material used to manufacture this product is contamination-free from asbestos, tellurium, 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:**

*Israel Coronado*

F8.2.4.4 Rev 2

Israel Coronado

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

Lab Assistant