



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 GVA25933/1

PO Number 61363H

206-824-7780

PART ID CS0500049S31603JAS07

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

HOUSTON, TX 77041 USA

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

DATE CERTIFIED 7/22/2021 EACH TUBE ON THIS ORDER HAS BEEN SPECTROGRAPHICALLY CHECKED FOR 316

HARDNESS 59/59 HRB

TESTS PERFORMED

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

TENSILE STRENGTH

YIELD STRENGTH

ELONGATION

EDDY CURRENT

Pass

92461 PSI

55142 PSI

55%

FLARE

Pass

94678 PSI

50278 PSI

55%

FLAT

Pass

CHEMICAL ANALYSIS

HEAT NUMBER 561194

TYPE 316/316L Seamless

	C	Mn	P	S	Si	Ni	Cr	Mo	Ti	N	Fe	Ta	Nb(Cb)+Ta	Cu	Nb(Cb)	Al	Co
L	.020	1.66	.031	.011	.35	11.18	16.90	2.05		.069				.28			.086
P	.020	1.63	.028	.007	.35	11.02	17.03	2.02		.065				.28			.086

*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: Sweden

Pieces: Footage:



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COMMENTS

TAG: PO 61363H // PAC TRAK# 61363 // PN 760500049BAO

TEST CERTIFICATE IN ACCORDANCE WITH EN 10204 3.1

RB 80 MAX

NACE MR0175 / MR0103 / ISO 15156

DFARS COMPLIANT

GREENVILLE TUBE (PCC) TERMS AND CONDITIONS APPLY

GREENVILLE TUBE COMPANY 501 S. MONTGOMERY ST. CLARKSVILLE AR. 72830

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 900 degrees F in less than three minutes.

100% 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.

F8.2.4.4 Rev 2

SIGNED:

John M. Schmoker

John Schmoker
Quality Tech Assist

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