



GREENVILLE TUBE COMPANY LLC Material Test Report per EN 10204 3.1

501 S Montgomery St
Clarksville, AR 72830

CUSTOMER: PAC STAINLESS LTD

5259 BRITTMOORE ROAD
HOUSTON, TX 77041



SHIPPED TO: PAC STAINLESS LTD.
5259 BRITTMOORE ROAD

COMPANY

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

ORDER NUMBER

PO Number

62135H

DFARS

PART ID CS0375049331603JAS04

DESCRIPTION

.375 OD X .049 AW 316/316L SMLS Tube

SHIPPED TO:

206-824-7780

SPEC

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

HOUSTON, TX 77041 USA

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

DATE CERTIFIED 6/10/2022 EACH TUBE ON THIS ORDER HAS BEEN SPECTROGRAPHICALLY CHECKED FOR 316

TESTS PERFORMED

HARDNESS 77/78 HRB

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

TENSILE STRENGTH

YIELD STRENGTH

ELONGATION

EDDY CURRENT

Pass

83746 PSI

58294 PSI

55%

FLARE

Pass

86438 PSI

55401 PSI

50%

FLAT

Pass

CHEMICAL ANALYSIS

HEAT NUMBER 605146

TYPE 316/316 L SMLS

	C	Mn	P	S	Si	Ni	Cr	Mo	Ti	N	Fe	Ta	Nb(Cb)+Ta	Cu	Nb(Cb)	Al	Co
L	.013	1.15	.036	.008	.31	12.21	17.44	2.06		314 PP				.29			.19
P	.019	1.16	.038	.008	.31	12.34	17.38	2.06		321 PP				.29			.18

"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:

Footage:



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Clarksville, AR 72830

CUSTOMER: PAC STAINLESS LTD

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

5259 BRITTMOORE ROAD

ORDER NUMBER GV427192/1

PO Number 62135H

HOUSTON, TX 77041

DFARS

5259 BRITTMOORE ROAD

SHIPPED TO: PAC STAINLESS LTD.

PART ID CS0375049S316031A504

DESCRIPTION

.375 OD X .049 AW 316/316L SMLS Tube

SPEC

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

COMMENTS

TAG: PO 62135H // PAC TRAK# 62135 // PN 760375049BAO

RB 80 MAX

NACE MR0175 / MR0103 // ISO 15156

PMI TESTED - PASS

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.

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*

John Schmoker

Quality Tech Assist

F8.2.4.4 Rev 2

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