



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 BRITTMORE ROAD
HOUSTON, TX 77041

SHIPPED TO: PAC STAINLESS LTD,
5259 BRITTMORE ROAD
DFARS

ORDER NUMBER GV426988/1

PO Number 62010H
DESCRIPTION .500 OD X .049 AW 316/316L SMLS Tube
SPEC 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 1/7/2022 EACH TUBE ON THIS ORDER HAS BEEN SPECTROGRAPHICALLY CHECKED FOR 316 HARDNESS 60/57 HRB
TESTS PERFORMED

TENSILE STRENGTH YIELD STRENGTH ELONGATION EDDY CURRENT Pass
95805 PSI 51354 PSI 55% FLARE Pass
95975 PSI 52570 PSI 55% FLAT Pass

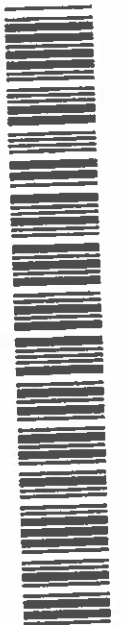
CHEMICAL ANALYSIS HEAT NUMBER 561779 TYPE 316/316L Seamless

	C	Mn	P	S	SI	NI	Cr	Mo	Ti	N	Fe	Ta	Nb(Cb)Ta	Cu	Nb(Cb)	Al	Co
L	.008	1.61	.027	.010	.41	11.22	17.04	2.03		.061				.28			.12
P	.013	1.53	.030	.007	.42	11.38	17.09	2.05		.062				.28			.12

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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PART ID CS05000495316031AS07

DESCRIPTION SPEC

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

HOUSTON, TX 77041 USA

COMMENTS

TEST CERTIFICATE IN ACCORDANCE WITH EN 10204 3.1

NACE MR0175 / NACE MR0103 / ISO 15156

DFARS COMPLIANT

GREENVILLE TUBE (PCC) TERMS AND CONDITIONS APPLY

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.

F8.2.4.4 Rev 2

SIGNED:

John M. Schmoker

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

John Schmoker
Quality Tech Assist