



**Certified
Test Report**

PHONE +1 (302) 697-9521
 WEB www.HandyTube.com
 MAIL 124 Veppco Blvd,
 Camden, DE 19934 USA

24706

Ship To: 12030

GRAND PRAIRE FLUID SYSTEM
 TECHNOLOGIES INC. DBA
 SWAGELOK GRAND PRAIRE
 #100 11025-89 AVENUE
 GRAND PRAIRIE, AB T8V 5B9
 Phone: 18444020202

Customer Item: SS-T6-S-049-20

Customer Drawing: SCS-00062 REV C

Sold To: 12030

GRAND PRAIRE FLUID SYSTEM
 TECHNOLOGIES INC. DBA
 SWAGELOK GRAND PRAIRE
 #100 11025-89 AVENUE
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Page: 1 of 2

Customer PO: 8007695

Shipper:

Sales Order: 68046.1

Item Number: S316D0375S-049

Lot: 1468206

SPECIFICATION REQUIREMENTS

Alloy/Grade: 316L

Temper: Annealed

Specifications: ASME SA213-22 EAW, ASTM A1016-18a, ASTM A213-22 EAW, ASTM A269-15A, EN 10204 3.1-2004
 Nace MR0103-2012, Nace MR0175/ISO 15156-09, PED 2014/68/EU

TOLERANCE

Length: 20 ft / 20 ft .1250"

OD: .3710 / .3790

ID: .0000 / .0000

Wall: .0441 / .0539

ACTUAL DIMENSIONS

.3764 / .3768

.0000 / .0000

.0472 / .0492

Qty Shipped: 15360

Date Shipped: 12/27/22

TP 316 SMLS / TP 316L SMLS UNS S31600 / S31603
2.5% Min Moly DFARS Compliant

MECHANICAL PROPERTIES

TENSILE, PSI

75000 MIN
 84600
 84500

YIELD, PSI

30000 MIN
 42600
 42700

ELONGATION %

35 MIN
 56
 56

HARDNESS

HRB 90 MAX
 72
 73

OTHER TESTS

Flare OK, E.C. OK, Flatten OK, Clean ID, Clean OD, Bright ID, Bright OD
 Positive Material Identification using Niton XL Series Analyzers
 Eddy Current tested per ASTM E426
 Thermocouple clean per ASTM A632-S3.1, S3.1.2, and S3.2
 Microstructure clean & free from any carbide precipitation
 SQS-00012, SQS-00020

CHEMICAL ANALYSIS

Heat: 607246

C: 0.020
Cr: 16.41

Mn: 1.84
Ni: 11.30

Melter: Sanyo

P: 0.034
Mo: 2.57

Country of Origin: Japan

S: 0.005
Si: 0.32

--- PRODUCT MANUFACTURED IN USA ---

--- MATERIAL PRODUCED FREE OF MERCURY ---

ALL TEST RESULTS ARE MAINTAINED ON FILE PER CMC-QAD-SOP-010

By: Thomas Endicott, QA Lab Tech

12/23/2022