



**Certified
Test Report**

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

24725

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
GRAND PRAIRIE, AB T8V 5B9
Phone: 18444020202

Page: 1 of 2

Customer PO: 8007695

Shipper:

Sales Order: 68046.1

Item Number: S316D0375S-049

Lot: 1468207

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

.3761 / .3765

.0000 / .0000

.0475 / .0478

Qty Shipped: 15380

Date Shipped: 12/27/22

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

MECHANICAL PROPERTIES

TENSILE, PSI

75000 MIN

83900

83900

YIELD, PSI

30000 MIN

39500

39500

ELONGATION %

35 MIN

53

59

HARDNESS

HRB 90 MAX

67

68

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

12/27/2022