

# Fidelity Stainless



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## 316/L SEAMLESS PIPE

### MATERIAL SPECIFICATIONS

PREPARED BY: H. POPE

REVISION DATE: 03/15/2013

<b>MATERIAL</b>	316/316L STAINLESS STEEL SEAMLESS PIPE LENGTH 20-24' PLAIN ENDS	COLD/HOT FINISHED DUAL CERTIFIED
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<b>SPECIFICATIONS</b>	ALL SPECIFICATIONS WITH LATEST YEAR REVISIONS ASTM A 312, ASTM A262 PRACTICE E, ASTM A 999 ASME SA 312, NACE MR 0175, EN 10204 3.1
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<u>CHEMICAL ANALYSIS</u>	<u>MECHANICAL PROPERTIES</u>
Carbon ( C ) .035	Tensile Strength 75 KSI 515 Mpa
Manganses (Mn) 2.00	Yield Strength 30 KSI 205 Mpa
Phosphorus (P) .045	Elongation 35%
Sulfur (S) .03	2 inch min %
Silicon (Si) 1.00	Hardness 90 HRB maximum
Chromium (Cr) 16.00-18.00	
Nickel (Ni) 10.00-14.00	
Molybdenum (Mo) 2.00-3.00	
Titanium (Ti)	
Nitrogen (N)	
Copper (Cu)	
Cobalt (Co) The % of Cobalt must be reported	
Other	

All singular chemistry values are  
MAXIMUM unless otherwise noted

All singular mechanical values are  
MINIMUM unless otherwise noted

### OTHER TEST(S) AND/OR REQUIREMENTS

BEND AND FLATTENING TEST

ULTRASONIC, EDDY CURRENT, OR HYDROSTATIC PRESSURE TESTED

TYPE OF NON-DESTRUCTIVE ELECTRIC TEST PERFORMED, OR ACTUAL HYDROSTATIC TEST PRESSURE FOR MATERIAL SUBJECT TO THIS TEST.

A MERCURY FREE CONTAMINATION STATEMENT

A NO WELD REPAIR STATEMENT

PMI (Positive Material Identification) TESTED. LINE MARKING TO INCLUDE PMI

SOLUTION ANNEALED TEMP. 1900 F / 1040 C MINIMUM AND WATER QUENCHED OR RAPIDLY COOLED HEAT TREATMENT, FINISHED CONDITION AND MELTING PROCESS MUST BE REPORTED.

PLAIN ENDS, RANDOM 20-24' LENGTHS

ALL PIPE TO BE CONTINUOUSLY LINE MARKED. MARKING INK MUST NOT CONTAIN HALOGENS.

EACH SIZE AND HEAT MUST BE BUNDLED SEPARATELY AND CLEARLY TAGGED

STANDARD SEA WORTHY PACKING. COMPLETELY WRAPPED WITH LIFTING NYLON STRAPS

BUNDLE WEIGHT 2000 LBS MAXIMUM

### IMPORTANT:

ORIGINAL CERTIFICATES OF CHEMICAL & PHYSICAL ANALYSIS REQUIRED TWO (2) WEEKS BEFORE SHIPMENT ARRIVES

ALL TEST REPORTS MUST STATE COUNTRY OF ORIGIN

ALL TEST REPORTS MUST HAVE THE POSITION AND NAME OF AUTHORIZED PERSON PRINTED

ALL TEST REPORTS MUST BE SIGNED

