

# Fidelity Stainless



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## 316/L SEAMLESS PIPE

### MATERIAL SPECIFICATIONS

PREPARED BY: M POPE

REVISION DATE: 05/25/23

<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
Manganeses (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 PREFORMED, 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  
 ISO CERTIFIED STATEMENT