

Fidelity Stainless



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304/L SEAMLESS PIPE

MATERIAL SPECIFICATIONS

PREPARED BY: H. POPE

REVISION DATE: 03/15/2013

MATERIAL	304/304L STAINLESS STEEL SEAMLESS PIPE LENGTH 20-24' PLAIN ENDS	COLD/HOT FINISHED DUAL CERTIFIED
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SPECIFICATIONS	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
Manganes (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) 18.00-20.00	
Nickel (Ni) 8.00-13.00	
Molybdenum (Mo)	
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.
MERCURY FREE CONTAMINATION STATEMENT
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