



METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 807633 1
Customer: 007035 520

Mail To:
RYERSON CANADA, INC.
C/O 35 - RYERSON ETOBICOKE
161 THE WEST MALL
ETOBICOKE, ON M9C4V8

Ship To:
RYERSON CANADA, INC.
C/O 35 - RYERSON ETOBICOKE
161 THE WEST MALL
ETOBICOKE, ON M9C4V8

Date: 2/05/2013 Page: 1

Steel: 316/316L

Finish: ST

Your Order: 727120

NAS Order: PN 0023738 01

Corrosion: ASTM A262 Prac E OK

PRODUCT DESCRIPTION:

Round Bar, Annealed, Smooth Turned, Cold Finished
UNS 31600/31603, EN 10204 3.1, ASTM A484/11
ASTM A276/10, ASTM A479/11, ASTM A182/10 CHEM ONLY,
ASME SA479/10a, ASME SA182/10 CHEM ONLY
AMS 5648L/AMS 5653G, AMS QQS-763B, QQS 763F
NACE MR0175/MR0103(MID RADIUS ONLY),
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7014A-1 EU DIRECTIVE
2002.95.EC.ROHS. EAF+ROD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	-----Length-----	Mark	Pieces	Commodity Code
BF0950 7		2.0000		1,112	144.00	6	1	71643200

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
E7M1	US	.0202	.2430	16.5150	.4365	1.4080	2.0225	.0495	10.5000	.0350
		S %	SI %							
		.0260	.3735							

MECHANICAL PROPERTIES

Product Id	l d	o i	HE	.2YS	UTS	RA	Elong
		c r	No.	KSI	KSI	%	% 4D
BF0950 7	R L		196.00	49.00	95.00	64.00	40.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ERIC HESS

2/05/2013

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