



H1B9 (6)

METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 848213 1	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: 6/27/2013 Page: 1
Customer: 007035 520			Steel: 316/316L
Your Order: 735593	NAS Order: PN 0028146 01		Finish: RT
			Corrosion: ASTM A262 Prac E OK

PRODUCT DESCRIPTION:

Round Bar, Hot Rolled, Annealed, Rough Turned
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, ASTM F899/11
AMS 5648L/AMS 5653G, AMS QQS-763B, QQS 763F
NACE MR0175/MR0103 (MILD RADIUS ONLY),
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8M
ASTM A193/10A-ASME SA193/10 CL 1 GR B8M (EXC PAR 7.2)

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7014A-1 EU DIRECTIVE
2011/65/EU. RoHS. EAF+AOD+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
BF4649 0		6.0000		2,370	144.00	1	1	71643600

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 %
H1B9	US	.0148	.2800	16.6525	.4935	1.4980	2.0520	.0425	10.5300	.0345
		S %	SI %							
		.0255	.3090							

MECHANICAL PROPERTIES

Product Id	1 a o i c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BF4649 0	R L	142.00	34.00	81.00	71.00	67.00

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 test and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.


ERIC HESS 6/27/2013

Fax Server

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M2M MACHINING

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