



J4L2

METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 867677 1	Mail To:	Ship To:	Date: 9/05/2013	Page: 1
Customer: 007035 520	RYERSON CANADA, INC. C/O 35 - RYERSON ETOBICOKE 161 THE WEST MALL ETOBICOKE, ON M9C4V8	RYERSON CANADA, INC. C/O 35 - RYERSON ETOBICOKE 161 THE WEST MALL ETOBICOKE, ON M9C4V8	Steel: 316/316L	Finish: RT
Your Order: 739057	NAS Order: PN 0030438 01	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 A479/12, 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 (MID 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 D FAR 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
BF6673 9		5.0000		1,537	144.00	1	1	71643500

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 %
J4L2	US	.0162	.2675	16.6230	.4245	1.3380	2.0330	.0376	10.5250	.0310
		S %	SI %							
		.0255	.2605							

MECHANICAL PROPERTIES

Product Id	l d	HR	.2YS	UTS	RA	Elong
	o i	No.	KSI	KSI	%	% 4D
	c r					
BF6673 9	R L	141.00	42.00	83.00	53.00	42.00

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 05/2013

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