



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 183398	1	Mail To:	Ship To:	Date: 5/31/2016	Page: 1
Customer: 007365	001	HURON ALLOYS, INC.	HURON ALLOYS, INC.	Steel: 316/316L	
		1292 PLANK ROAD	1292 PLANK ROAD	Finish: RT	
		SARNIA, ON N1K1Z3	SARNIA, ON N1K1Z3	Corrosion: ASTM A262 Prac E OK	
Your Order: P000435		NAS Order: IN 0232489 01		Red Ratio: 5.3 :1	

PRODUCT DESCRIPTION:

NACE MR0175(MID RADIUS ONLY)
Round Bar, Hot Rolled, Annealed, Rough Turned
UNS 31600/31603 EN 10204 3.1, ASTM A484/13a
ASTM A276/15, ASTM A479/15, ASTM A182/13 CHEM ONLY,
ASME SA479/13, ASME SA182/10 CHEM ONLY, ASTM F899/11
AMS 5648L/AMS 5653H, AMS QQS-763D, QQS 763F
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 252.225-7009 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
BH9226 6		3.7500		924	144.00	1	1	

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
Y5W5	US	.0130	.2920	16.6610	.3260	1.4410	2.0125	.0337	10.5250	.0315
		S %	SI %							
		.0187	.2120							

MECHANICAL PROPERTIES

Product Id	l o c a l	H B No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BH9226 6	R L	141.0	35.00	78.00	72.00	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 tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK

Provided by CPA 5/31/2016

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