



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  
Customer: 007365 001  
HURON ALLOYS, INC.  
1292 PLANK ROAD  
SARNIA, ON N1K1Z3

Ship To:  
HURON ALLOYS, INC.  
1292 PLANK ROAD  
SARNIA, ON N1K1Z3

Date: 5/31/2016 Page: 1  
Steel: 316/316L  
Finish: RT

Your Order: P000435

NAS Order: IN 0232489 01

Corrosion: ASTM A262 Prac E OK  
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 DPAR 252.225-7009 EU DIRECTIVE  
2011/65/EU.ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND WEG  
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	

## CHEMICAL ANALYSIS

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
YSW5	US	.0130	.2920	16.6610	.3260	1.4410	2.0125	.0337	10.5250	.0315
		S %	SI %							
		.0187	.2120							

## MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB No.	.2YS KSI	UTS KSI	RA %	Elng % AD
BH9226 6	RL	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.