



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: 632599 2  
Customer: 007365 001  
15690

Mail To:  
HURON ALLOYS, INC.  
1292 PLANK ROAD  
SARNIA, ON N7T 7H3

Ship To:  
HURON ALLOYS, INC.  
1292 PLANK ROAD  
SARNIA, ON N7T 7H3

Date: 9/29/2020 Page: 1

Steel: 316/316L

Finish: RT

Corrosion: ASTM A262/15 Prac A/E OK

Red Ratio: 5.3 :1

Your Order: P008272

NAS Order: IN 0284389 10

Heat Treat Code: 58,176

## PRODUCT DESCRIPTION:

Round Bar, Hot Rolled, Annealed, Rough Turned  
UNS S31600/S31603 EN 10204 3.1, ASTM A484/19  
ASTM A276/17, ASTM A479/19, ASTM A182/19A CHEM ONLY,  
ASME SA479/19, ASME SA182/19A CHEM ONLY,  
AMS 5648/M, AMS 5653/J, AMS-QQS-763/D, QQS:763/F  
NACE MR0175/15(MID RADIUS ONLY), MR0103/15(MID RADIUS ONLY)  
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/17a CL 1 GR B8M  
ASME SA193/19 CL 1 GR B8M(EXC PAR 7.3.1)  
GRAIN SIZE = 6-8, ASTM A193/19, CL 1 GR B8M(EXC PAR 6.2.1)

## REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 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
BL0602 9		3.7500		952	144.00	11	1	

ANAB, ISO/IEC 17025, Certificate# L2323

## CHEMICAL ANALYSIS

Chemical Analysis per ASTM A751/14a

NAS Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
F74B	US	.018	.45	16.63	.33	1.40	2.028	.046	10.59	.028
		S %	SI %							
		.0295	.26							

## MECHANICAL PROPERTIES

Product Id	l o c	d i c	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BL0602 9	R	L	166.0	43.00	86.00	68.00	50.00

Provided by CPA

www.flowconditioner.com,info@cpacl.ca

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

9/29/2020