



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 Mail To: Ship To: Date: 9/29/2020 Page: 1
 Customer: 007365 001 HURON ALLOYS, INC. HURON ALLOYS, INC. Steel: 316/316L
 1292 PLANK ROAD 1292 PLANK ROAD Finish: RT
 SARNIA, ON N7T 7H3 SARNIA, ON N7T 7H3 Corrosion: ASTM A262/15 Prac A/E OK
 Your Order: P008272 NAS Order: IN 0284389 10 Heat Treat Code: 58,176 Red Ratio: 5.3 :1

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 CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

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

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