



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

145 pcs

Certificate: 664617 2 Mail To:
Customer: 007131 001 ROLLED ALLOYS CANADA, INC.
4008 51 AVENUE N.W.
EDMONTON, AB T6B 3T5

Ship To:
ROLLED ALLOYS CANADA, INC.
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EDMONTON, AB T6B 3T5

Date: 2/02/2021 Page: 1

Steel: 316/316L

Finish: RT

Corrosion: ASTM A262/15 Prac A/E OK

Red Ratio: 3.0 :1

Your Order: 1010520ED

NAS Order: IN 0287533 02

Heat Treat Code: 62,993

PRODUCT DESCRIPTION:

Round Bar, Hot Rolled, Annealed, Rough Turned
UNS S31600/S31603 EN 10204 3.1, ASTM A484/20b
ASTM A276/17, ASTM A479/20, ASTM A182/20 CHEM ONLY,
ASME SA479/20, ASME SA182/20 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 A320/18 CL 1 GR B8M
ASME SA193/19 CL 1 GR B8M (EXC PAR 7.3.1)
GRAIN SIZE = 6-8, ASTM A193/20, 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
BL6543 5		5.0000		1,784	144.00	2	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 %
K70W	US	.021	.32	16.60	.42	1.41	2.017	.040	10.54	.027
		S %	SI %							
		.0255	.25							

HEAT # K70W



TRACER # 0006894ED

MECHANICAL PROPERTIES

Product Id	l d o i a r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BL6543 5	R L	141.0	40.00	79.00	62.00	58.00



Receiving Inspection

By:
Date: 2/8/21

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

2/08/2021

ANS