

SN# 6262 21NPS UPSTREAM FLANGE



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

METALLURGICAL TEST REPORT

6070 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 657200 1 Mail To: Ship To: Date: 1/07/2021 Page: 1
 Customer: 007131 001 ROLLED ALLOYS CANADA, INC. ROLLED ALLOYS CANADA, INC. Steel: 316/316L
 4008 51 AVENUE N.W. 4008 51 AVENUE N.W. EDMONTON, AB T6B 3T5 Finish: RT
 Your Order: 1010360ED NAS Order: IN 0286960 04 Heat Treat Code: 58,176 Corrosion: ASTM A262/15 Prac A/E OK
 Red Ratio: 5.3 :1

REMARKS:

COMPLIES W/REQUIREMENTS OF DFR 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 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/W, AMS 5653/J, AMS-QQS-763/D, QCS: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)

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BL0603 0		3.7500		951	144.00	4	1	

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) ANAB, ISO/IEC 17025, Certificate# L2323
 Chemical Analysis per ASTM A751/14a

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

HEAT # F74B

 TRACER # 0006909ED

MECHANICAL PROPERTIES

Product Id	RL	166.0	43.00	86.00	68.00	50.00
BL0603 0						

Receiving Inspection
 By:
 Date: 1/13/21

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 1/07/2021