



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: 400385 1 Mail To: ROLLED ALLOYS CANADA INC.
Customer: 007130 023 4008 51 AVENUE N.W.
EDMONTON, AB T6B 3T5

Ship To: ROLLED ALLOYS CANADA INC.
4008 51 AVENUE N.W.
EDMONTON, AB T6B 3T5

Date: 4/10/2018 Page: 1
Steel: 316/316L
Finish: RT
Corrosion: ASTM A262/15 Prac A/E OK
Red Ratio: 4.7 :1

Your Order: 1006111ED NAS Order: DS 0014386 01

PRODUCT DESCRIPTION:

Round Bar, Hot Rolled, Annealed, Rough Turned
UNS S31600/S31603 EN 10204 3.1, ASTM A484/16
ASTM A276/17, ASTM A479/17, ASTM A182/16a CHEM ONLY,
ASME SA479/13, ASME SA182/13 CHEM ONLY, ASTM F899/12b
AMS 5648M/AMS 5653H, AMS QQS-763D, QQS 763F
NACE MR0175-15/MR0103-15(MID RADIUS ONLY),
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/17a CL 1 GR B8M
ASTM A193/16-ASME SA193/13 CL 1 GR B8M(EXC PAR 6.2)

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 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
IA4219 8		4.0000		1,044	144.00	1	1	

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323

CHEMICAL ANALYSIS

NAS Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
745Y	US	.016	.32	16.64	.33	1.37	2.021	.046	10.54	.032
		S %	SI %							
		.0250	.28							

MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB No.	.2YS KSI	UTS KSI	RA %	Eln % 4D
IA4219 8	R L	141.0	37.00	82.00	71.00	61.00

HEAT # 745Y



TRACER # 0004177ED



Receiving Inspection

By:
Date: 4/17/18

NAS hereby certifies that the analysis on this certification is correct and 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

4/10/2018

Sep 23/19

INS