C2916856

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: 697966 2

Customer: 007226 003

Mail To:
ASA ALLOYS
#100, 112 STRATHMOOR DRIVE
SHERWOOD PARK, AB T8H 2B7

Ship To:
ASA ALLOYS
#100, 112 STRATHMOOR DRIVE
SHERWOOD PARK, AB T8H 2B7

Date: 6/07/2021 Page: 1
Steel: 316/316L
Finish: ST
Corrosion: ASTM A262/15 Prac A/E OK
Red Ratio: 7.0 :1

Your Order: P051461 NAS Order: IN 0289385 02 Heat Treat Code: 64,632

PRODUCT DESCRIPTION:

Round Bar, Annealed, Smooth Turned, Cold Finished
UNS S31600/S31603, EN 10204 3.1, ASTM A484/20b
ASTM A276/17, ASTM A479/20, ASTM A182/20 CHEM ONLY,
ASME SA479/19, ASME SA182/20 CHEM ONLY, GRAIN SIZE = 6-8
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)
ASTMA193/20 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
BL8953 1		3.2500		1,064	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 A751/20

NAS Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
L94R	US	.017	.29	16.71	.35	1.39	2.007	.040	10.54	.028

	S %	SI %
	.0220	.25

MECHANICAL PROPERTIES

Product Id	loc	dir	HB No.	.2YS KSI	UTS KSI	RA %	Elng % 4D
BL8953 1	R	L	170.0	35.53	83.57	73.21	56.80

Technical Dept. Mgr. KRIS LARK 6/07/2021