



**NORTH AMERICAN
STAINLESS**

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 810577 01 Mail To: Ship To: Date: 10/04/2022 Page: 1 Of 1
 Customer: 5623 023 SAMUEL, SON & CO., INC. SAMUEL, SON & CO., INC. Steel: 316/316L
 NAS Order: LR 187 2 106 SE 223RD AVE, BUILDING B 106 SE 223RD AVE, BUILDING B Finish: Cold Draw
 Your Order: 041S-7510960 GRESHAM OR 97030 GRESHAM OR 97030 Dia/Thk: .7500 in
 Heat Treat Code: 72,667 Leg Length: Length: 144.00 in
 Item Code: 5439029 Corrosion: ASTM A262/15 Prac A/E OK

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
 UNS 31600/31603 EN 10204 3.1, ASTM A484/21
 ASTM A276/17, ASTM A479/21, ASTM A182/21 CHEM ONLY,
 ASME SA479/21, ASME SA182/21 CHEM ONLY, ASTM F899/20
 AMS 5648/M, AMS 5653/J, AMS-QQS-763/D, QQS:763/F
 SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/18 CL 1 GR B8M
 ASTM A193/20, ASME SA193/21 CL 1 GR B8M GRAIN SIZE = 4-6

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7014 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

QC ACCEPTED
 DATE 10-19-22
 INTLS 7

662641

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BM96751	891								

ANAB, ISO/IEC 17025, Certificate# L2323
 Chemical Analysis per ASTM A751/20

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

NAS Heat	Supplier Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
V94K		US	.024	.25	16.65	.30	1.34	2.095	.030	10.55	.031	.0235
			SI %									
			.28									

MECHANICAL PROPERTIES

l d	HB	.2YS	UTS	RA	Elong
o i	No.	KSI	KSI	%	% 4D
c r					
BM96751	R L	165.0	65.57	87.34	72.54
					52.13

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