

SN - 6323 - 1.25 FOEL 80/XS



**METALLURGICAL TEST REPORT**

R285177  
6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 734936 11    Mail To: \_\_\_\_\_    Ship To: \_\_\_\_\_    Date: 11/01/2021    Page: 1 Of 1  
 Steel: 316/316L  
 Finish: Cold Finish  
 Dia/Thk: 2.7500 in  
 Leg Length: \_\_\_\_\_  
 Length: 144.00 in  
 Corrosion: ASTM A262/15 Prac A/E OK

Customer: 0245 001  
 NAS Order: LM 71501 23    Red Ratio: 9.8 :1    Heat Treat Code: 66,878  
 Your Order: P183186-423    Item Code: 521652

**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 SA182/19 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)  
 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

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BM25998	3009	BM26000	3020						

**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 A751/20

NAS Heat	Supplier Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
N69R		US	.020	.37	16.64	.31	1.44	2.069	.039	10.62	.030	.0210
			SI %									
			.28									

**MECHANICAL PROPERTIES**

	1 o i c t	4 H B	No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BM25998	R L	156.0		35.74	84.48	75.49	54.68
BM26000	R L	156.0		35.74	84.48	75.49	54.68

Provided by CPA  
[www.flowconditioner.com](http://www.flowconditioner.com), [info@cpacl.ca](mailto:info@cpacl.ca)

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.