



F0T9.

METALLURGICAL TEST REPORT

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

Certificate: 806704 16	Mail To: COPPER AND BRASS SALES, INC. ATTN: ACCOUNTS PAYABLE SOUTHFIELD MI 48086-	Ship To: COPPER AND BRASS SALES, INC. 13338 ORDEN DRIVE SANTA FE SPRINGS CA 90670	Date: 2/01/2013 Page: 1 Of 1 Steel: 316/316L Finish: Cold Finish Dia/Thk: 2.1250 in Leg Length: Length: 144.00 in Corrosion: ASTM A262 Prac E OK
Customer: 0925 023		Item Code:	
NAS Order: LN 93001 6			
Your Order: 5400167230			

PRODUCT DESCRIPTION:

Round Bar, Annealed, Smooth Turned, Cold Finished
UNS 31600/31603, EN 10204 3.1, ASTM A484/11
ASTM A276/10, ASTM A479/11, ASTM A182/10 CHEM ONLY,
ASME SA479/10a, ASME SA182/10 CHEM ONLY, ASTM F899/11
AMS 5648L/AMS 5653G, AMS QQS-763B, QQS 763F
NACE MR0175/MR0103(MID RADIUS ONLY),
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF D FAR 252.225-7014A-1 EU DIRECTIVE
2002.95.EC.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
BF15653 1163	BF15655 1014								

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/08

Heat	Supplier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
F0T9		US	.026	.39	16.58	.39	1.39	2.01	.043	10.52	.030	.0250
			SI %									
			.26									

MECHANICAL PROPERTIES

	1 d o i c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BF15653	R L	189.0	52.00	93.00	53.00	41.00
BF15655	R L	189.0	52.00	93.00	53.00	41.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test reports 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
Cust.: ATLANTIS INDUSTRIES Del.: 2402412048

Technical
Dept. Mgr.

[Signature]
ERIC HESS

CstAr
Wgt.: 29) 00 LB

CstOr Bozo
Date 04/09/2013

John. Zambetti