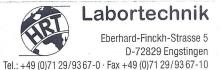
BRAMMER STANDARD COMPANY, INC.



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Certificate of Analysis

BS 836A-2

Certified Reference Material for Bronze CDA Grade 836 - UNS Number C83600

Certified Value ¹	Estimate of Uncertainty ²	Certified Values ³	Certified Value ¹	Estimate of Uncertainty ²
0.023	0.001			
84.7	0.5			MER STA
0.46	0.01			SINER STAND
0.083 5.32	0.001 0.04			
0.042 0.068	0.001 0.002			OFFICIAL DOCUMENT
4.58 4.55	0.04			
		34		
0.0015	0.0006	Reference Values		
0.0021		5 40 1 W. b 3.5		
	Value ¹ 0.023 0.008 84.7 0.025 0.46 0.083 5.32 0.042 0.068 4.58 4.55	Value ¹ Uncertainty ² 0.023 0.001 0.008 0.001 84.7 0.5 0.025 0.001 0.46 0.01 0.083 0.001 5.32 0.04 0.042 0.001 0.068 0.002 4.58 0.04 4.55 0.03	Value ¹ Uncertainty ² 0.023 0.001 0.008 0.001 84.7 0.5 0.025 0.001 0.46 0.01 0.083 0.001 5.32 0.04 0.042 0.001 0.068 0.002 4.58 0.04 4.55 0.03 Reference Values ^{3,4} 0.0015 0.0006 0.0021 0.0004	Value ¹ Uncertainty ² Value ¹ 0.023

Informational Values^{3,5}

C (0.01)

Mn (0.0009)

The requirements of ISO Guides 31, 34, and 35 were followed for the preparation of this Certified Reference Material and certificate of analysis. This is a Certified Reference Material as defined by ISO Guide 30.

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¹ For each element, the certified value listed is the present best estimate of the true value based on the mean of the weighted results of an interlaboratory testing program. See page 3 for more information on its calculation.

² For each element, the uncertainty listed is based on a statistical evaluation of the contributions of homogeneity and the interlaboratory testing program. See page 6 for more information on its calculation.

³ Values are given in weight percent.

⁴ Reference values are not certified and are provided for your reference only.

⁵ Values in parentheses are not certified and are provided for information only.