

BRAMMER STANDARD COMPANY, INC.

Provisional Certificate of Analysis BS 8822A

Certified Reference Material for AISI Grade 8822 - UNS Number G88220

	Estimated Analysis ¹		Estimated Analysis ¹
Analysis listed as percent by weight			
Al	0.011	O	<0.05
As	<0.05	P	0.021
B	0.0005	Pb	<0.005
C	0.21	S	0.033
Ca	<0.005	Sb	0.002
Co	0.005	Si	0.28
Cr	0.56	Sn	0.004
Cu	0.032	Ta	0.007
Fe	[97]	Ti	0.002
Mn	0.85	V	0.003
Mo	0.38	W	<0.05
N	0.008	Zn	<0.05
Nb	0.002	Zr	<0.005
Ni	0.57		

¹ The estimated value listed is the present best estimate of the true value. Values are given in weight percent.

Form: This CRM is machined in the form of a disc approximately 37 mm in diameter and 25 mm thick by Brammer Standard Company, Inc.

A detailed final certificate of analysis will be supplied by October 28, 2023.

Homogeneity: This Certified Reference Material (CRM) was tested for homogeneity using ASTM Standard Method E826 and found acceptable. It was also examined by spark atomic emission spectrometry and found to be compatible with the following Reference Materials — AR 8620; BS XEEH, 61B, 61C, 67C, 208, 209, 8620C; SRM 1763.

Validity statement: ISO Guide 31 states that the certification should contain an expiration date for all materials where instability has been demonstrated or is considered possible, after which the certified value is no longer guaranteed by the certifying body. The certification of BS 8822A is valid indefinitely. The certification is nullified if this CRM is damaged, contaminated, or otherwise modified.

Storage: This CRM must be stored in a cool, dry, non-corrosive environment.

Certified Area: The certified area of each disc is the portion extending several mm inward from each surface.

Note: Shrinkage cavities may appear in the horizontal center of some discs. These cavities are normal and will not affect the certified portions of the disc.

Sample Preparation: For best analytical results, use the same method for preparing the analytical surface on all reference materials as used for production specimens. Avoid overheating the sample during surface preparation.

Caution: CRM contains significant insoluble soft metal inclusions. Surface smearing may occur. Spark atomic emission spectrometers may require extended preburns to compensate.

Safety Notice: A Safety Data Sheet (SDS) is not required for this material. This material will not release or otherwise result in exposure to a hazardous chemical, under normal conditions of use. Inquiries concerning this Reference Material should be directed to:

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Houston, Texas 77069-2895 USA

Phone: (281) 440-9396

Web: www.brammerstandard.com

Fax: (281) 440-4432

Email: contact@brammerstandard.com

Certified by: _____ on October 28, 2021.

Beau R. Brammer
President