

BRAMMER STANDARD COMPANY, INC.

Provisional Certificate of Analysis BS 187D

Certified Reference Material for Alloy 20 - UNS Number N08020

Estimated Analysis ¹		Estimated Analysis ¹	
Analysis listed as percent by weight			
Al	0.017	Ni	32.4
B	(0.002)	P	0.015
C	0.03	Pb	(0.002)
Ca	0.006	S	0.002
Co	0.09	Si	0.64
Cr	19.8	Sn	0.007
Cu	3.45	Ta	(0.002)
Mn	1.0	Ti	(0.003)
Mo	2.2	V	0.07
Nb	0.62	W	0.089

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 38 mm in diameter and 19 mm thick by Brammer Standard Company, Inc.

A detailed final certificate of analysis will be supplied by April 30, 2014.