

BRAMMER STANDARD COMPANY, INC.

Provisional Certificate of Analysis BS H-13

Certified Reference Material for H-13 Tool Steel - UNS Number T20813

	Estimated Analysis ¹		Estimated Analysis ¹
Analysis listed as percent by weight			
Al	0.016	Nb	0.005
As	0.008	Ni	0.11
B	<0.005	P	0.011
C	0.40	Pb	0.002
Ca	<0.005	S	0.020
Co	0.008	Si	0.98
Cr	5.14	Sn	0.011
Cu	0.19	Ta	0.006
Fe	[90.4]	Ti	0.003
Mg	<0.005	V	0.98
Mn	0.38	W	<0.005
Mo	1.26	Zr	0.002

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 December 05, 2014.