

BRAMMER STANDARD COMPANY, INC.

Provisional Certificate of Analysis BS 1045

Certified Reference Material for Carbon Steel Grade 1045 - UNS Number G10450

	Estimated Analysis ¹		Estimated Analysis ¹
Analysis listed as percent by weight			
Al	<0.005	Nb	0.025
As	0.005	Ni	0.06
B	0.0003	O	<0.05
C	0.45	P	0.007
Ca	0.001	Pb	<0.005
Co	0.006	S	0.024
Cr	0.11	Sb	<0.005
Cu	0.19	Si	0.21
Fe	[98.1]	Sn	0.008
Mg	<0.005	Ti	0.001
Mn	0.79	V	0.003
Mo	0.016	W	<0.005
N	0.01	Zr	<0.005

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 26, 2020.

