BRAMMER STANDARD COMPANY, INC.

Provisional Certificate of Analysis BS 1018

Certified Reference Material for Carbon Steel Grade 1018 - UNS Number G10180

Estimated

Estimated

	Analysis ¹			Analysis ¹
		Analysis listed as percent by weight		
Al	0.03		Nb	<0.005
As	<0.005		Ni	0.11
В	<0.005		0	0.002
С	0.19		Р	0.013
Ca	<0.005		Pb	<0.005
Со	<0.05		S	0.026
Cr	0.18		Si	0.23
Cu	0.13		Sn	<0.05
Fe	[98.2]		Ti	<0.005
Mg	<0.005		V	0.001
Mn	0.80		W	<0.005
Мо	0.05		Zr	<0.05
N	0.010			

<u>Form:</u> 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 October 26, 2018.

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