

# BRAMMER STANDARD COMPANY, INC.

## Provisional Certificate of Analysis BS 45B

Certified Reference Material for ASTM Steel Grade A182 F11 - UNS Number K11572

Estimated Analysis <sup>1</sup>		Estimated Analysis <sup>1</sup>	
	Analysis listed as percent by weight		
Al	0.03	N	0.007
As	0.007	Nb	0.001
B	<0.005	Ni	0.13
C	0.15	O	0.002
Ca	<0.005	P	0.008
Co	0.009	S	0.017
Cr	1.1	Si	0.58
Cu	0.10	Sn	0.007
Fe	[96.7]	Ti	0.002
Mg	<0.005	V	0.009
Mn	0.50	W	0.004
Mo	0.60	Zr	0.001

<sup>1</sup> 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 September 9, 2018.