

BRAMMER STANDARD COMPANY, INC.

Provisional Certificate of Analysis BS 186B

Certified Reference Material for Invar 36 Alloy - UNS Number K93603

	Estimated Analysis ¹		Estimated Analysis ¹
Analysis listed as percent by weight			
Al	0.008	O	<0.005
As	<0.05	P	0.003
B	<0.005	Pb	<0.05
C	0.022	S	0.002
Ca	<0.005	Sb	<0.005
Co	0.044	Se	<0.5
Cr	0.12	Si	0.25
Cu	0.060	Sn	<0.005
Fe	[62.6]	Ta	<0.05
Mn	0.28	Ti	0.003
Mo	0.025	V	<0.05
N	<0.05	W	0.01
Nb	0.003	Zr	0.002
Ni	36.4		

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

A detailed final certificate of analysis will be supplied by March 11, 2022.