

# Brammer Standard Company, Inc.

## Data Sheet for Setting-up Material

### BS SU 410

#### AISI 410 Grade Stainless Steel

(UNS Number S41000)

Estimated  
Analysis

Estimated  
Analysis

Analysis listed as percent by weight

<b>C</b>	<b>0.124</b>	<b>B</b>	<b>0.0002</b>
<b>Mn</b>	<b>0.41</b>	<b>Ca</b>	<b>0.0002</b>
<b>P</b>	<b>0.020</b>	<b>Co</b>	<b>0.015</b>
<b>S</b>	<b>0.008</b>	<b>N</b>	<b>0.0284</b>
<b>Si</b>	<b>0.35</b>	<b>Nb</b>	<b>0.003</b>
<b>Cu</b>	<b>0.039</b>	<b>O</b>	<b>0.0038</b>
<b>Ni</b>	<b>0.098</b>	<b>Sn</b>	<b>0.004</b>
<b>Cr</b>	<b>12.02</b>	<b>Ti</b>	<b>0.003</b>
<b>Mo</b>	<b>0.017</b>	<b>V</b>	<b>0.029</b>
<b>Al</b>	<b>0.010</b>	<b>W</b>	<b>0.004</b>

**Analysis:** The above chemistry is supplied as an approximate guide to the composition and must not be regarded as the certified analysis. The estimated analysis is based on in-house analysis and data provided by two Proficiency Testing Programs (PTP). This material was used in a PTP in 1997 with the sample number 9732 and in 2005 with the sample number 0511.

**Homogeneity:** This material has been studied for homogeneity and was found to be suitable for use as a setting-up material.

**Use:** This material may be used for instrument drift control. It is suitable for Spark Atomic Emission and XRF Spectrometers. Avoid sparking the center of the material. It must not be used for instrument calibration.

**Size:** The bar diameter is 40 mm and thickness is 40 mm.

**Stability and Storage:** The solid material is very stable and should be stored in normal laboratory environmental conditions.

Data Sheet Number SU-410-120110

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