

**BRAMMER STANDARD COMPANY, INC.**

# Aluminum Setting-up Samples

<u>Grade</u> <u>Element</u>	2011	2017	2024	6061	7075	<u>Grade</u> <u>Element</u>
Bi	0.44	0.002	0.002	0.006	<0.001	Bi
Cr	0.001	0.015	0.03	0.050	0.19	Cr
Cu	5.2	4.05	4.7	0.29	1.40	Cu
Fe	0.32	0.25	0.20	0.19	0.13	Fe
Mg	0.016	0.51	1.30	0.81	2.26	Mg
Mn	0.010	0.51	0.57	0.010	0.03	Mn
Ni	0.004	0.006	0.006	0.004	0.005	Ni
Pb	0.56	0.010	0.006	0.010	0.003	Pb
Si	0.052	0.30	0.08	0.55	0.10	Si
Sn	0.001	0.002	0.001	<0.001	0.001	Sn
Ti	0.006	0.020	0.030	0.024	0.028	Ti
V	0.007	0.007	0.01	0.01	0.006	V
Zn	0.024	0.065	0.07	0.04	5.6	Zn
Zr	<0.002	0.002	0.01	<0.002	0.006	Zr

Analysis estimates listed as percent by weight

The above chemistry is supplied as an approximate guide to the composition and must not be regarded as the certified analysis. The analysis is based on the results of testing by a spark-source Atomic Emission Spectrometer and ICP Atomic Emission Spectrometry. This material may be used for instrument drift control. It must not be used for instrument calibration.

**Homogeneity:** These Setting-up Materials were tested for homogeneity using spark atomic emission spectrometer and found acceptable.

**Source:** This material was produced by Kaiser Aluminum.

**Brammer Standard Company, Inc., 14603 Benfer Road, Houston, TX 77069-2895  
Telephone (281) 440-9396 Fax (281) 440-4432 [www.brammerstandard.com](http://www.brammerstandard.com)**

**Form:** This Setting-up Material is in the form of a disc, approximately 62 mm diameter and 50 mm thick.

**Use:** This material is intended for use in spark atomic emission and x-ray spectrometric methods of analysis.

**Analytical area:** The entire thickness of the disc may be used.

**Caution:** Avoid the center of the disc.

**Sample Preparation:** For best analytical results, use the same method for preparing the analytical surface on all setting-up samples as you use for production specimens. Avoid overheating the disc during surface preparation.

**Data Sheet Number:** The unique identification number for this data sheet is SU-Aluminum-033009px, where x indicates the page number. Refer to future Brammer Standard Company catalogs for information on any revisions to this or other Brammer Standard materials. You may also obtain information on revisions from the internet at [brammerstandard.com](http://brammerstandard.com).

**Safety Notice:** A Material Safety Data Sheet (MSDS) is not required for this material. This material will not release or otherwise result in exposure to a hazardous chemical under normal conditions of use. Inquiries concerning this Setting-up Material should be directed to:

Brammer Standard Co., Inc.	Phone: (281) 440-9396	<a href="http://www.brammerstandard.com">www.brammerstandard.com</a>
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Prepared by: \_\_\_\_\_ on March 30, 2009.  
B. R. Brammer

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