

# National Bureau of Standards

## Certificate of Analysis

### Standard Reference Material 1118

#### Aluminum Brass

This SRM for aluminum brass is issued in wrought form for application in optical emission and x-ray spectroscopic analysis.

	<u>Percent</u>
Copper .....	75.1
Zinc .....	21.9
Lead .....	0.02 <sub>5</sub>
Iron .....	.06 <sub>5</sub>
Aluminum .....	2.8 <sub>0</sub>
Antimony .....	0.010
Arsenic .....	.007
Phosphorus .....	.13
Silicon .....	.002 <sub>1</sub>

The value listed for a certified element is the *present best estimate* of the "true" value based on the results of the analytical program. The value listed is not expected to deviate from the "true" value by more than  $\pm 1$  in the last significant figure reported; for a subscript figure, the deviation is not expected to be more than  $\pm 5$ . Based on the results of homogeneity testing, maximum variations within and among samples are estimated to be less than the uncertainty figures given above.

Sample Condition: The sample is supplied in the form of disks 1 1/4 in. in diameter and 3/4 in. thick. The material was prepared by hot-extrusion of cast material, since suitable material could not be prepared by forging. Microscopic examination revealed mixed grain size with some nonworked areas; the samples are not entirely metallurgically uniform.

CAUTION: Because of the nonuniform metallurgical condition, deviations somewhat larger than normal may be encountered in the intended use.

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dated 7/14/65)

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Office of Standard Reference Materials