. Department of Commerce
Malcolm Baldrige
Secretary
ational Bureau of Standards
Ernest Ambler, Director

National Bureau of Standards

Certificate of Analysis

Standard Reference Material 1119

Aluminum Brass

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

	Percent
Copper	77.1
Zinc	20.5
Lead	0.05_0
Iron	$.03_0$
Aluminum	2.1_4
Antimony	0.05_0
Arsenic	$.04_0$
Phosphorus	$.07_0$
Silicon	$.001_5$

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 ± 1 in the last significant figure reported; for a subscript figure, the deviation is not expected to be more than ± 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.

Washington, DC 20234
December 11, 1981
(Revision of Certificate
dated 7/14/65)

George A. Uriano, Chief
Office of Standard Reference Materials