

Certificate of Analysis

Standard Reference Material 1119

Aluminum Brass

	<i>Percent</i>
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

Sample Condition: The sample is supplied in the form of disks 1¼ in. in diameter and ¾ 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.

Homogeneity: Because of the nonuniform metallurgical condition, deviations somewhat larger than normal may be encountered in the intended use. This sample will only be issued with a provisional certificate.

Intended Use: The sample is one of three compositions in a graded series for aluminum brass in wrought and cast form for application in optical emission and x-ray spectroscopic analysis.