



Certificate of Analysis

Standard Reference Material 1118

Aluminum Brass

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

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.