

# Certificate of Analysis

## Standard Reference Material 1120

### Aluminum Brass

	<i>Percent</i>
Copper -----	80.1
Zinc -----	18.1
Lead -----	0.10 <sub>5</sub>
Iron -----	.01 <sub>5</sub>
Aluminum -----	1.4 <sub>6</sub>
Antimony -----	0.10 <sub>0</sub>
Arsenic -----	.09 <sub>0</sub>
Phosphorus -----	.01 <sub>8</sub>
Silicon -----	.001 <sub>1</sub>

*Sample Condition:* The sample is supplied in the form of disks 1¼ in. in diameter and 3/16 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.