U. S. Department of Commerce
John T. Connor, Secretary
National Bureau of Standards
A. V. Astin, Director

Certificate of Analysis

Standard Reference Material 1121, C1121, 1122, C1122, 1123, C1123

Beryllium-Copper Standards

NBS No. [a]	1121 [b]	C1121 [b]	1122	C1122	1123	C1123
Element			*Percent*			
Beryllium	1.89	1.92	1.75		0.46	
Iron	0.08_5	0.08_5	0.16		.04	
Silicon	.11	.11	.17		.03	
Aluminum	.07	.07	.17		.02	
Cobalt	$.29_5$	$.29_5$	$.22_0$		2.3_5	
Tin	.01	.01	(.01)		(.01)	
Lead	(.002) [c]	(.002)	(.003)		(.001)	
Zinc	(.01)	(.01)	(.01)		.01	
Nickel	.012	.012	(.01)		(.01)	
Chromium	(.002)	(.002)	(.002)		(.001)	
Manganese	$(.00_4)$	$(.00_4)$	$(.00_4)$		$(.00_2)$	
Silver	(.005)	(.005)	(.005)		(.009)	
Phosphorus	(.005)	(.005)	(.004)		(.002)	
Copper	97.4_9	97.4_6	97.4_5		97.1_0	

PROVISIONAL

[a] Size and metallurgical condition: 1100 series are wrought samples 1¼ in. in diameter, ¾ in. thick; C1100 series are chill-cast samples 1¼ in. square, ¾ in. thick.

[b] Small differences in the copper and beryllium contents make necessary the separate analysis of the wrought and chill-cast material for this standard.

[c] Values in parenthesis are *not* certified, but are given for information on the composition.

WASHINGTON, D. C. 20234
December 19, 1966

W. WAYNE MEINKE, Chief
Office of Standard Reference Materials