



INSTITUTE OF NON-FERROUS METALS

Analytical Chemistry Department

44-101 Gliwice, ul. Sowińskiego 5

CERTIFICATE OF ANALYSIS

Binary brass

The average results of chemical analyses in wt %

Element	No.	MB 1	MB 2	MB 3	MB 4	MB 5	MB 6	MB 7
Cu		60,66	67,17	73,26	78,77	84,25	90,07	95,0
Zn		39,39	32,80	26,67	21,20	15,63	9,95	4,99

Director of the Institute

Prof. Ph.D. Zbigniew Śmieszek

The confidence intervals in wt % at the probability level of 0,05

Element No.	MB 1	MB 2	MB 3	MB 4	MB 5	MB 6	MB 7
Cu	0,051	0,097	0,10	0,051	0,079	0,053	0,078
Zn	0,061	0,085	0,092	0,048	0,069	0,077	0,074

Analytical methods applied:

Cu - electrolysis, atomic absorption

Zn - titration by means of EDTA

The chemical analyses have been carried out in four industrial laboratories and at the Institute of Non-Ferrous Metals.

The set consists of 7 reference materials in form of discs 40 mm in diameter and 20 mm in height. CRMs are stable in time.