



INSTITUTE OF NON-FERROUS METALS

Analytical Chemistry Department

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CERTIFICATE OF ANALYSIS

MC 70 tin brass

The average results of chemical analyses in wt %

No. Element	ME 2	ME 3	ME 4	ME 5
Sn	0,87	1,11	1,21	1,42
Cu	71,29	70,70	69,40	68,53
Zn	the rest	the rest	the rest	the rest

Director of the Institute

Prof. Ph.D. Zbigniew Śmieszek

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

No. Element	ME 2	ME 3	ME 4	ME 5
Sn	0,027	0,045	0,050	0,062
Cu	0,072	0,068	0,055	0,070

Analytical methods applied:

Sn - atomic absorption after co-precipitation on ferric hydroxide and spectrophotometric with phenylfluoran

Cu - electrolytic and titration

The set consists of 4 reference materials in form of discs 40 mm in diameter and 30 mm in height.

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