



INSTITUTE OF NON-FERROUS METALS

Analytical Chemistry Department
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CERTIFICATE OF ANALYSIS

Chemical copper reference material Cu 100/5

<i>Mean oxygen content</i>	<i>163,7 ppm</i>
<i>Average deviation</i>	<i>8,2 ppm</i>
<i>Average interlaboratory deviation</i>	<i>14,9 ppm</i>
<i>Half confidence interval of arithmetic mean</i>	<i>5,1 ppm</i>

The analytical methods applied for oxygen determination:

- reduction melting in nitrogen or argon atmospheres (LECO Analysers RO-16)*
- vacuum reduction melting (Balzers Analysers EAO-202)*
- neutron activation*

Each package contains reference material in form of rod $\phi 20 \times 100$ mm.

Director of the Institute

Prof. Ph.D. Zbigniew Śmieszek