

# THE LOSS OF LEAD IN BIOLOGICAL MATERIALS FOLLOWING DIFFERENT DRYING AND ASHING PROCEDURES

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## ABSTRACT

The loss of lead in various kinds of biological materials after drying and ashing was investigated using  $^{203}\text{PbCl}_2$  incorporated into the materials concerned through incubation with intravenous injection of the tracer. Experimental results show that although oven ashing could be used for analysing the lead in lung, kidney and liver etc., oxygen plasma ashing and high pressure digestion are the most suitable methods for the determination of Pb in biological materials.

**Key words** Lead, Biological materials, Oxygen plasma ashing, High pressure digestion.

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