
**Animal feeding stuffs — Determination
of crude ash**

Aliments des animaux — Détermination des cendres brutes



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Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 5984 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 10, *Animal feeding stuffs*.

This second edition cancels and replaces the first edition (ISO 5984:1978), of which it constitutes a minor revision.

Annex A of this International Standard is for information only.

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Animal feeding stuffs — Determination of crude ash

1 Scope

This International Standard specifies a method for the determination of crude ash of animal feeding stuffs.

2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 6498, *Animal feeding stuffs — Preparation of test samples*

3 Term and definition

For the purposes of this International Standard, the following term and definition applies.

3.1

crude ash

residue obtained after incineration at 550 °C under the conditions specified in this International Standard

NOTE It is expressed as a mass fraction of the sample in percent.

4 Principle

The organic matter in a test portion is decomposed by incineration, then the ash obtained is weighed.

5 Apparatus

Usual laboratory apparatus and, in particular, the following.

5.1 Analytical balance, capable of weighing to the nearest 0,001 g.

5.2 Muffle furnace, electrically heated, thermostatically controlled, and provided with a pyrometer.

The furnace, when set at 550 °C, shall be capable of being controlled in such a way that the temperature in the places where the incineration dishes will be placed will not differ by more than 20 °C from this set temperature.

5.3 Drying oven, capable of being controlled at (103 ± 2) °C.

5.4 Hot-plate or gas burner