

INTERNATIONAL STANDARD

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Animal feeding stuffs — Determination of ash insoluble in hydrochloric acid

*Aliments des animaux — Détermination des cendres insolubles dans
l'acide chlorhydrique*



Reference number
ISO 5985:2002(E)

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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 5985 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 5985:1978), 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 ash insoluble in hydrochloric acid

1 Scope

This International Standard specifies two procedures for animal feeding stuffs for the determination of the ash which is insoluble in hydrochloric acid.

The applicable procedure depends on the nature of the sample.

- a) Procedure A is applicable to simple organic animal feeding stuffs and to compound feeding stuffs (except those mentioned under procedure B).
- b) Procedure B is applicable to minerals, mineral mixtures and compound feeding stuffs of which the ash insoluble in hydrochloric acid exceeds 1% (mass fraction), as determined by procedure A.

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

ash insoluble in hydrochloric acid

that part of the ash which is insoluble in dilute hydrochloric acid under the conditions specified in this International Standard

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

4 Principle

4.1 Procedure A

The organic matter in a test portion is decomposed by incineration.

The ash obtained is treated with hydrochloric acid. The mixture is filtered, followed by drying, incineration and weighing of the residue.