
International Standard 6496

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Animal feeding stuffs — Determination of moisture content

Aliments des animaux — Détermination de la teneur en eau

First edition — 1983-08-15

UDC 636.085/.087 : 543.81

Ref. No. ISO 6496-1983 (E)

Descriptors : animal feeding products, tests, determination of content, water.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been authorized has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 6496 was developed by Technical Committee ISO/TC 34, *Agricultural food products*, and was circulated to the member bodies in June 1981.

It has been approved by the member bodies of the following countries :

Australia	Italy	Portugal
Austria	Korea, Dem. P. Rep. of	Romania
Brazil	Korea, Rep. of	South Africa, Rep. of
Canada	Malaysia	Spain
Egypt, Arab Rep. of	Mexico	Sri Lanka
Hungary	Netherlands	Thailand
India	New Zealand	Turkey
Iran	Peru	United Kingdom
Israel	Poland	Yugoslavia

No member body expressed disapproval of the document.

This International Standard has also been approved by the International Union of Pure and Applied Chemistry (IUPAC).

Animal feeding stuffs — Determination of moisture content

1 Scope and field of application

This International Standard specifies a method for the determination of the moisture (water and other volatile substances) content of animal feeding stuffs.

The method is applicable to animal feeding stuffs with the exception of

- milk products;
- mineral substances;
- mixtures containing a considerable amount of milk products or mineral substances;
- the following simple animal feeding stuffs :
 - animal and vegetable fats and oils (for which method A specified in ISO 662 is applicable),
 - oilseeds (for which a method is specified in ISO 665),
 - oilseed residues (for which a method is specified in ISO 771),
 - cereals, except maize, and cereal products (for which a method is specified in ISO 712),
 - maize (for which the reference method specified in ISO 6540 is applicable).

2 References

ISO 662, *Animal and vegetable fats and oils — Determination of moisture and volatile matter content*.

ISO 665, *Oilseeds — Determination of moisture and volatile matter content*.

ISO 712, *Cereals and cereal products — Determination of moisture content (Routine reference method)*.

ISO 771, *Oilseed residues — Determination of moisture and volatile matter content*.

ISO 6498, *Animal feeding stuffs — Preparation of test samples*.¹⁾

ISO 6540, *Maize — Determination of moisture content (on milled grains and on whole grains)*.

3 Definition

moisture content of animal feeding stuffs : The loss in mass on drying determined according to the procedure specified in this International Standard, and expressed as a percentage by mass of the product as received.

4 Principle

Determination of the loss in mass on drying under specified conditions depending on the nature of the sample.

5 Apparatus and material

Usual laboratory apparatus, and in particular :

5.1 Analytical balance.

5.2 Container, of non-corrodible metal or glass, provided with a sufficiently tight-fitting lid, and having a surface allowing the test portion to be spread to about 0,3 g/cm².

5.3 Electrically heated oven, well ventilated, capable of being controlled at 103 ± 1 °C.

5.4 Electrically heated vacuum oven, capable of producing pressures below 13 kPa, provided with a thermostat and vacuum pump, and either a device for the introduction of dried air, or containing calcium oxide (CaO) as desiccant (300 g of CaO for 20 samples).

5.5 Desiccator, provided with an efficient desiccant.

5.6 Sand, acid-washed.

1) At present at the stage of draft.