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**Animal and vegetable fats and oils —  
Determination of ash**

*Corps gras d'origines animale et végétale — Détermination du taux de cendres*



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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.

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ISO 6884 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 11, *Animal and vegetable fats and oils*.

This second edition cancels and replaces the first edition (ISO 6884:1985), of which it constitutes a minor revision.

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# Animal and vegetable fats and oils — Determination of ash

## 1 Scope

This International Standard specifies a method for the determination of ash, applicable to all animal and vegetable fats and oils, including acid oils.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 661, *Animal and vegetable fats and oils — Preparation of test sample*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### ash

(animal and vegetable fats and oils) inorganic residue left after incineration under the conditions specified in this International Standard

NOTE The ash yield is expressed as a percentage mass fraction of the dry product.

## 4 Principle

The sample is combusted under mild heating and the residue is incinerated at 550 °C to 600 °C until free from carbon particles. The residue obtained is then weighed.

## 5 Reagents

**WARNING — Comply with any local regulations which specify the handling of hazardous substances. Follow technical, organizational, and personal safety measures.**

During the analysis, unless otherwise stated, use only reagents of recognized analytical grade and distilled or demineralized water or water of equivalent purity.

**5.1 Hydrogen peroxide solution**,  $\varphi = 10\%$  volume fraction.

**5.2 Ammonium carbonate.**