

STN	Živočíšne a rastlinné tuky a oleje. Stanovenie oxidačnej stálosti (zrýchlený oxidačný test) (ISO 6886: 2016).	STN EN ISO 6886 58 8790
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Animal and vegetable fats and oils - Determination of oxidative stability (accelerated oxidation test) (ISO 6886:2016)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/16

Obsahuje: EN ISO 6886:2016, ISO 6886:2016

Oznámením tejto normy sa od 30.09.2016 ruší
STN EN ISO 6886 (58 8790) z júna 2009

123063

EUROPEAN STANDARD

EN ISO 6886

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2016

ICS 67.200.10

Supersedes EN ISO 6886:2008

English Version

Animal and vegetable fats and oils - Determination of oxidative stability (accelerated oxidation test) (ISO 6886:2016)

Corps gras d'origines animale et végétale -
Détermination de la stabilité à l'oxydation (essai
d'oxydation accéléré) (ISO 6886:2016)

Tierische und pflanzliche Fette und Öle - Bestimmung
der Oxidationsstabilität (beschleunigter
Oxidationstest) (ISO 6886:2016)

This European Standard was approved by CEN on 13 February 2016.

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European foreword

This document (EN ISO 6886:2016) has been prepared by Technical Committee ISO/TC 34 “Food products” in collaboration with Technical Committee CEN/TC 307 “Oilseeds, vegetable and animal fats and oils and their by-products - Methods of sampling and analysis” the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2016, and conflicting national standards shall be withdrawn at the latest by September 2016.

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Endorsement notice

The text of ISO 6886:2016 has been approved by CEN as EN ISO 6886:2016 without any modification.

STN EN ISO 6886: 2016

**INTERNATIONAL
STANDARD**

**ISO
6886**

Third edition
2016-02-15

**Animal and vegetable fats and oils —
Determination of oxidative stability
(accelerated oxidation test)**

*Corps gras d'origines animale et végétale — Détermination de la
stabilité à l'oxydation (essai d'oxydation accéléré)*



Reference number
ISO 6886:2016(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 34, *Food products*, Subcommittee SC 11, *Animal and vegetable fats and oils*.

This third edition cancels and replaces the second edition (ISO 6886:2006), of which it constitutes a minor revision.

Animal and vegetable fats and oils — Determination of oxidative stability (accelerated oxidation test)

1 Scope

This International Standard specifies a method for the determination of the oxidative stability of fats and oils under extreme conditions that induce rapid oxidation: high temperature and high air flow. It does not allow determination of the stability of fats and oils at ambient temperatures, but it does allow a comparison of the efficacy of antioxidants added to fats and oils.

The method is applicable to both virgin and refined animal and vegetable fats and oils. Milk and milk products (or fat coming from milk and milk products) are excluded from the scope of this International Standard.

NOTE The presence of volatile fatty acids and volatile acidic oxidation products prevents accurate measurement.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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*

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