

STN	Živočíšne a rastlinné tuky a oleje Stanovenie jódového čísla (ISO 3961: 2018)	STN EN ISO 3961 58 8758
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Animal and vegetable fats and oils - Determination of iodine value (ISO 3961:2018)

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. 02/19

Obsahuje: EN ISO 3961:2018, ISO 3961:2018

Oznámením tejto normy sa ruší
STN EN ISO 3961 (58 8758) z januára 2014

128140

EUROPEAN STANDARD

EN ISO 3961

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2018

ICS 67.200.10

Supersedes EN ISO 3961:2013

English Version

Animal and vegetable fats and oils - Determination of iodine value (ISO 3961:2018)

Corps gras d'origines animale et végétale -
Détermination de l'indice d'iode (ISO 3961:2018)

Tierische und pflanzliche Fette und Öle - Bestimmung
der Iodzahl (ISO 3961:2018)

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EN ISO 3961:2018 (E)

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European foreword

This document (EN ISO 3961:2018) 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of an identical text or by endorsement, at the latest by February 2019, and conflicting national standards shall be withdrawn at the latest by February 2019.

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Endorsement notice

The text of ISO 3961:2018 has been approved by CEN as EN ISO 3961:2018 without any modification.

INTERNATIONAL STANDARD

ISO 3961

Sixth edition
2018-08

Animal and vegetable fats and oils — Determination of iodine value

*Corps gras d'origines animale et végétale — Détermination de
l'indice d'iode*



Reference number
ISO 3961:2018(E)

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Published in Switzerland

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ISO 3961:2018(E)

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 voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

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

This sixth edition cancels and replaces the fifth edition (ISO 3961:2013), which has been technically revised by the removal of the note in [B.2.2](#) and the addition of further data to [Annex B](#).

Animal and vegetable fats and oils — Determination of iodine value

1 Scope

This document specifies a reference method for the determination of the iodine value (commonly known in the industry as IV) of animal and vegetable fats and oils, hereinafter referred to as fats.

[Annex B](#) describes a method for the calculation of the IV from fatty acid compositional data. This method is not applicable to fish oils. Furthermore, cold-pressed, crude and unrefined vegetable oils as well as (partially) hydrogenated oils can give different results by the two methods. The calculated IV is affected by impurities and thermal degradation products.

NOTE The method in [Annex B](#) is based upon the AOCS Official method Cd 1c-85^[10].

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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*

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