

<b>STN</b>	<b>Živočíšne a rastlinné tuky a oleje</b> <b>Stanovenie jódového čísla</b> <b>(ISO 3961: 2024)</b>	<b>STN</b> <b>EN ISO 3961</b>  58 8758
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Animal and vegetable fats and oils - Determination of iodine value (ISO 3961:2024)

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. 03/25

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 3961**

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Supersedes EN ISO 3961:2018

English Version

**Animal and vegetable fats and oils - Determination of  
iodine value (ISO 3961:2024)**

Corps gras d'origines animale et végétale -  
Détermination de l'indice d'iode (ISO 3961:2024)

Tierische und pflanzliche Fette und Öle - Bestimmung  
der Iodzahl (ISO 3961:2024)

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EN ISO 3961:2025 (E)

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## **European foreword**

This document (EN ISO 3961:2025) 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of an identical text or by endorsement, at the latest by July 2025, and conflicting national standards shall be withdrawn at the latest by July 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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## **Endorsement notice**

The text of ISO 3961:2024 has been approved by CEN as EN ISO 3961:2025 without any modification.



# International Standard

**ISO 3961**

## Animal and vegetable fats and oils — Determination of iodine value

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

**Seventh edition  
2024-12**

## ISO 3961:2024(en)



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**ISO 3961:2024(en)****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 document 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](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 11, *Animal and vegetable fats and oils*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 307, *Oilseeds, vegetable and animal fats and oils and their by-products - Methods of sampling and analysis*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This seventh edition cancels and replaces the sixth edition (ISO 3961:2018), of which it constitutes a minor revision.

The changes are as follows:

— entry errors have been corrected in [Table 1](#).

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# 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<sup>[10]</sup>.

## 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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