



# SLOVENSKI STANDARD SIST EN ISO 8534:2017

01-maj-2017

Nadomešča:  
SIST EN ISO 8534:2009

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**Živalske in rastlinske maščobe in olja - Določevanje vode - Karl Fischerjeva metoda (brez piridina) (ISO 8534:2017)**

Animal and vegetable fats and oils - Determination of water content - Karl Fischer method (pyridine free) (ISO 8534:2017)

Tierische und pflanzliche Fette und Öle - Bestimmung des Wassergehalts - Karl-Fischer-Verfahren (pyridinfrei) (ISO 8534:2017)

Corps gras d'origines animale et végétale - Détermination de la teneur en eau - Méthode de Karl Fischer (sans pyridine) (ISO 8534:2017)

**Ta slovenski standard je istoveten z: EN ISO 8534:2017**

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**ICS:**

67.200.10	Rastlinske in živalske maščobe in olja	Animal and vegetable fats and oils
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**SIST EN ISO 8534:2017**

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EUROPEAN STANDARD

EN ISO 8534

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Supersedes EN ISO 8534:2008

English Version

## Animal and vegetable fats and oils - Determination of water content - Karl Fischer method (pyridine free) (ISO 8534:2017)

Corps gras d'origines animale et végétale -  
Détermination de la teneur en eau - Méthode de Karl  
Fischer (sans pyridine) (ISO 8534:2017)

Tierische und pflanzliche Fette und Öle - Bestimmung  
des Wassergehalts - Karl-Fischer-Verfahren  
(pyridinfrei) (ISO 8534:2017)

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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## European foreword

This document (EN ISO 8534:2017) 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of an identical text or by endorsement, at the latest by August 2017, and conflicting national standards shall be withdrawn at the latest by August 2017.

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

This document supersedes EN ISO 8534:2008.

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INTERNATIONAL  
STANDARD

ISO  
8534

Third edition  
2017-02

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**Animal and vegetable fats and oils —  
Determination of water content —  
Karl Fischer method (pyridine free)**

*Corps gras d'origines animale et végétale — Détermination de la  
teneur en eau — Méthode de Karl Fischer (sans pyridine)*

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ISO copyright office  
Ch. de Blandonnet 8 • CP 401  
CH-1214 Vernier, Geneva, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
copyright@iso.org  
www.iso.org



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## ISO 8534:2017(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](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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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*.

SIST EN ISO 8534:2017

This third edition cancels and replaces the second edition (ISO 8534:2008), of which it constitutes a minor revision to exclude the applicability for fat coming from milk and milk products.

## Introduction

The determination of the water content of fats and oils according to Karl Fischer is carried out by two different procedures. This document specifies the volumetric Karl Fischer method for the determination of higher milligram levels of water (high level moisture). It is used for samples having between 1 mg and 100 mg of water in the sample.

[Annex B](#) specifies a coulometric titration, which requires between 10 µg and 10 mg water in the sample. The coulometric method is more sensitive than the volumetric method and permits the determination of lower water contents.

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