

<b>STN</b>	<b>Deriváty tukov a olejov Metylestery mastných kyselín (FAME) Stanovenie čísla kyslosti</b>	<b>STN EN 14104</b>  58 8811
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Fat and oil derivatives - Fatty acid methyl ester (FAME) - Determination of acid value

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

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EUROPEAN STANDARD

**EN 14104**

NORME EUROPÉENNE

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English Version

**Fat and oil derivatives - Fatty acid methyl ester (FAME) -  
Determination of acid value**

Produits dérivés des corps gras - Esters méthyliques  
d'acides gras (EMAG) - Détermination de l'indice  
d'acide

Erzeugnisse aus pflanzlichen und tierischen Fetten und  
Ölen - Fettsäure-Methylester (FAME) - Bestimmung  
der Säurezahl

This European Standard was approved by CEN on 6 December 2020.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN 14104:2021 (E)**

<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>3</b>
<b>1 Scope</b> .....	<b>4</b>
<b>2 Normative references</b> .....	<b>4</b>
<b>3 Terms and definitions</b> .....	<b>4</b>
<b>4 Principle</b> .....	<b>4</b>
<b>5 Reagents</b> .....	<b>5</b>
<b>6 Apparatus</b> .....	<b>6</b>
<b>7 Sampling</b> .....	<b>6</b>
<b>8 Preparation of the test sample</b> .....	<b>6</b>
<b>9 Procedure</b> .....	<b>7</b>
<b>9.1 Test portion</b> .....	<b>7</b>
<b>9.2 Determination</b> .....	<b>7</b>
<b>10 Calculation</b> .....	<b>7</b>
<b>11 Precision</b> .....	<b>7</b>
<b>11.1 Interlaboratory test</b> .....	<b>7</b>
<b>11.2 Repeatability</b> .....	<b>7</b>
<b>11.3 Reproducibility</b> .....	<b>7</b>
<b>12 Test report</b> .....	<b>8</b>
<b>Annex A (informative) Results of an interlaboratory trial</b> .....	<b>9</b>
<b>Bibliography</b> .....	<b>10</b>

## European foreword

This document (EN 14104:2021) has been prepared by 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 2021, and conflicting national standards shall be withdrawn at the latest by July 2021.

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.

This document supersedes EN 14104:2003.

In comparison with the previous edition, the following technical modifications have been made:

- a) Clause 5 “Reagents” revised for clarification;
- b) automated titration system applying optical detection added as alternative;
- c) document revised editorially.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**EN 14104:2021 (E)****1 Scope**

This document specifies a titrimetric method for the determination of acid value in light coloured Fatty Acid Methyl Esters, hereinafter referred as FAME.

It allows the determination of acid value within a range of 0,10 mg KOH/g to 1,00 mg KOH/g.

NOTE 1 For the purposes of this document, the terms “% (m/m)” and “% (V/V)” are used to represent respectively the mass fraction and the volume fraction.

NOTE 2 For oils and fats the determination of acid value is specified in EN ISO 660 [1].

WARNING — The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of users of this document to take appropriate measures to ensure the safety and health of personnel prior to the application of the document, and to determine the applicability of any other restrictions for this purpose.

**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.

EN ISO 661, *Animal and vegetable fats and oils - Preparation of test sample (ISO 661)*

EN ISO 3696, *Water for analytical laboratory use - Specification and test methods (ISO 3696)*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**