

Foodstuffs - Determination of vitamin B2 by HPLC

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14152:2003 sisaldab Euroopa standardi EN 14152:2003 + AC:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 14.08.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14152:2003 consists of the English text of the European standard EN 14152:2003 + AC:2005.</p> <p>This document is endorsed on 14.08.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This draft European Standard specifies a method for the determination of Vitamin B² in foodstuffs by high performance liquid chromatography (HPLC). The determination of Vitamin B² content is carried out by measurement of riboflavin</p>	<p>Scope:</p> <p>This draft European Standard specifies a method for the determination of Vitamin B² in foodstuffs by high performance liquid chromatography (HPLC). The determination of Vitamin B² content is carried out by measurement of riboflavin</p>
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Võtmesõnad: analysis, chemical analysis and testin, hygiene, liquid chromatography, methods of analysis, quantitative analysis, sample surveys, sampling, sampling methods, surveillance (approval), test equipment, testing, thiamine, verification, vitamin b complex, vitamins

ICS 67.050

English version

Foodstuffs - Determination of vitamin B2 by HPLC

Produits alimentaires - Dosage de la vitamine B2 par CLHP

Lebensmittel - Bestimmung von Vitamin B2 mit HPLC

This European Standard was approved by CEN on 2 May 2003.

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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 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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 14152:2003) has been prepared by Technical Committee CEN/TC 275 "Food analysis - Horizontal methods", the secretariat of which is held by DIN.

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 January 2004, and conflicting national standards shall be withdrawn at the latest by January 2004.

Annexes A, B and C are informative.

Warning – The use of this standard may involve hazardous materials, operations and equipment. This standard does not purport to address all the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies a method for the determination of vitamin B₂ in foodstuffs by high performance liquid chromatography (HPLC). The determination of vitamin B₂ content is carried out by measurement of riboflavin.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN ISO 3696, *Water for analytical laboratory use — Specification and test methods (ISO 3696:1987)*.

3 Principle

Riboflavin in an appropriate sample solution is determined after acid hydrolysis followed by dephosphorylation using an enzymatic treatment by high performance liquid chromatographic (HPLC) separation with a fluorometric detection [1] to [8].