

Foodstuffs - Determination of d-biotin by HPLC

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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 15607:2009 sisaldab Euroopa standardi EN 15607:2009 ingliskeelset teksti.

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This standard is ratified with the order of Estonian Centre for Standardisation dated 31.07.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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ICS 67.050

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ICS 67.050

English Version

Foodstuffs - Determination of d-biotin by HPLC

Produits alimentaires - Dosage de la d-biotine par CLHP

Lebensmittel - Bestimmung von d-Biotin mit HPLC

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Foreword

This document (EN 15607:2009) 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of an identical text or by endorsement, at the latest by November 2009, and conflicting national standards shall be withdrawn at the latest by November 2009.

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1 Scope

This European Standard specifies a method for the determination of the mass fraction of d-biotin by high performance liquid chromatography (HPLC). The method has been validated in an inter-laboratory test on fortified and non-fortified samples such as cereal breakfast powder, infant milk powder, lyophilized green peas with ham, lyophilized chicken soup and on nutritive orange juice, at levels from 16 µg/100 g to 200 µg/100 g. For further information on the validation data, see Annex B.

NOTE 1 d-biocytyl can also be estimated by this method. But none of the samples used for the validation step contained d-biocytyl. Nonetheless the recovery rate is more than 90 % for d-biotin and d-biocytyl, see [2] and [3].

NOTE 2 The method underestimates the real biotin content when used for samples containing egg.

2 Normative references

The following referenced documents are indispensable for the application 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 3696:1995, *Water for analytical laboratory use – Specification and test methods (ISO 3696:1987)*