

Puu- ja köögiviljamahlad. pH-väärtuse määramine

Fruit and vegetable juices - Determination of the pH-value

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1132:2000 sisaldab Euroopa standardi EN 1132:1994 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 19.09.2000 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 04.10.1994.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1132:2000 consists of the English text of the European standard EN 1132:1994.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 19.09.2000 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 04.10.1994.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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Võtmesõnad: joogid, keemiline analüüs, mõõtmed, ph, puu- ja köögiviljamahlad, toiduainetooted

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Descriptors: Food product, vegetable juice, fruit juice, beverage, testing, analysis.

English version

Fruit and vegetable juices
Determination of pH value

Jus de fruits et de légumes; mesure du
pH

Frucht- und Gemüsesäfte; Bestimmung
des pH-Wertes

This European Standard was approved by CEN on 1994-09-29.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 174 'Fruit and vegetable juices – Methods of 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, and conflicting national standards withdrawn, by April 1995 at the latest.

Annexes designated 'informative' are given only for information. In this standard, Annexes A and B are informative.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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1 Scope

This European standard specifies a method for the determination of the pH-value of fruit and vegetable juices and related products.

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.

ISO 5725:1986 Precision of test methods - Determination of repeatability and reproducibility for a standard test method by inter-laboratory tests

ISO 3696:1987 Water for analytical laboratory use - Specification and test methods

3 Definition

For the purposes of this standard, the following definition applies :

pH value : The negative common logarithm of the concentration of hydrogen ions in moles per litre of solution.

4 Principle

The pH value of the sample is measured potentiometrically.

5 Reagents

5.1 General

Use only reagents of recognized analytical grade and only degassed water in accordance with at least grade 3 of ISO 3696:1987.

5.2 Buffer solution with a pH of 6,88 at 20 °C

Dry anhydrous potassium dihydrogen phosphate, KH_2PO_4 , and anhydrous disodium hydrogen phosphate, Na_2HPO_4 , at $120\text{ °C } 0 \pm 10\text{ °C}$ to constant mass. After cooling in a desiccator (6.5), weigh 3,40 g KH_2PO_4 and 3,55 g Na_2HPO_4 and dissolve in approximately 800 ml water, then make up to 1000 ml at a temperature of 20 °C. This solution is stable for about 1 month.