

**Products used for the treatment of
water intended for human consumption
- Granular activated carbon - Part 1:
Virgin granular activated carbon**

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human consumption - Granular activated carbon -
Part 1: Virgin granular activated carbon

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12915-1:2003 sisaldab Euroopa standardi EN 12915-1:2003 + AC:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 16.05.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12915-1:2003 consists of the English text of the European standard EN 12915-1:2003 + AC:2006.</p> <p>This document is endorsed on 16.05.2003 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: This part of EN 12915 is applicable to virgin granular activated carbon used for treatment of water intended for human consumption. It describes the characteristics of virgin granular activated carbon and specifies the requirements and the corresponding test methods for virgin granular activated carbon. It gives information on its use in water treatment</p>	<p>Scope: This part of EN 12915 is applicable to virgin granular activated carbon used for treatment of water intended for human consumption. It describes the characteristics of virgin granular activated carbon and specifies the requirements and the corresponding test methods for virgin granular activated carbon. It gives information on its use in water treatment</p>
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ICS 71.100.80

Võtmesõnad:

ICS 71.100.80

English version

Products used for the treatment of water intended for human consumption - Granular activated carbon - Part 1: Virgin granular activated carbon

Produits utilisés pour le traitement de l'eau destinée à la consommation humaine - Charbon actif en grains - Partie 1: Charbon actif en grain vierge

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Granulierte Aktivkohle - Teil 1: Frische granulierte Aktivkohle

This European Standard was approved by CEN on 4 February 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.

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



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Contents

Page

Foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions.....	5
4 Description	5
4.1 Identification.....	5
4.2 Commercial forms	6
5 Physical properties.....	6
5.1 Appearance.....	6
5.2 Particle size distribution	6
5.3 Wettability	7
5.4 Bulk density packed	7
5.5 Mechanical strength	7
6 Chemical properties	7
6.1 General.....	7
6.2 Purity criteria	7
7 Specific properties.....	8
8 Test methods.....	8
8.1 Sampling	8
8.2 Analysis	8
9 Labelling, transportation and storage	15
9.1 Means of delivery.....	15
9.2 Risk and safety labelling according to the EU directives.....	15
9.3 Transportation regulations and labelling	16
9.4 Marking	16
9.5 Storage.....	16
Annex A (informative) General information on granular activated carbon	17
A.1 Origin.....	17
A.2 Composition	17
A.3 Hydraulic characteristics	18
A.4 Use.....	19
A.5 Rules for safe handling and use.....	19
A.6 Emergency procedures	20
Bibliography	21

Foreword

This document (EN 12915-1:2003) has been prepared by Technical Committee CEN/TC 164 "Water supply", 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 October 2003, and conflicting national standards shall be withdrawn at the latest by October 2003.

This European Standard consists of two parts, Part 1 is concerned with virgin granular activated carbon and Part 2 gives requirements for reactivated granular activated carbon.

This document will supersede EN 12915:1999.

Significant technical differences between this edition and EN 12915:1999 are as follows:

- a) deletion of reference to EU Directive 80/778/EEC of 15 July 1980;
- b) addition in A.2.3 of an explanation of the difference between metals concentrations found in the test and those that occur in practice;
- c) correction of the equation in 8.2.4.4 for calculation of ball pan hardness.

Annex A is informative.

NOTE Conformity with this standard does not confer or imply acceptance or approval of the product in any of the Member States of the EU or EFTA. The use of the product covered by this European Standard is subject to regulation or control by National Authorities.

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.

Introduction

In respect of potential adverse effects on the quality of water intended for human consumption, caused by the product covered by this European Standard:

- a) this European Standard provides no information as to whether the product may be used without restriction in any of the Member States of the EU or EFTA;
- b) it should be noted that, while awaiting the adoption of verifiable European criteria, existing national regulations concerning the use and/or the characteristics of this product remain in force.

1 Scope

This part of EN 12915 is applicable to virgin granular activated carbon used for treatment of water intended for human consumption. It describes the characteristics of virgin granular activated carbon and specifies the requirements and the corresponding test methods for virgin granular activated carbon. It gives information on its use in water treatment.

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 12901, *Products used for treatment of water intended for human consumption - Inorganic supporting and filtering materials - Definitions*.

EN 12902, *Products used for treatment of water intended for human consumption - Inorganic supporting and filtering materials - Methods of test*.

EN ISO 3696:1995, *Water for analytical laboratory use - Specification and test methods* (ISO 3696:1987).

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 12901 and the following apply.

3.1

virgin activated carbon

freshly manufactured activated carbon that has not been used and has not been reactivated

3.2

wettability

ability of granular activated carbon to be wetted when in contact with water, determined by measuring the quantity of material that sinks in water under specified conditions

4 Description

4.1 Identification

4.1.1 Chemical name(s)

Carbon.

4.1.2 Synonym or common names

Virgin granular activated carbon, virgin activated coal, virgin activated charcoal, virgin active carbon.

4.1.3 Chemical formula

C (elementary).