

**Products used for treatment of water
intended for human consumption -
Granular activated carbon - Part 2:
Ractivated granular activated carbon**

Products used for treatment of water intended for
human consumption - Granular activated carbon -
Part 2: Ractivated granular activated carbon

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12915-2:2003 sisaldab Euroopa standardi EN 12915-2:2003 + 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 12915-2:2003 consists of the English text of the European standard EN 12915-2:2003 + 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 reactivated granular activated carbon used for treatment of water intended for human consumption.</p>	<p>Scope: This part of EN 12915 is applicable to reactivated granular activated carbon used for treatment of water intended for human consumption.</p>
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Võtmesõnad: drinking water treatment, filtering materials, filtration behaviour, flocculents, granulated, granulates, marking, physical properties, potable water, storage, testing, transport, treatment, water, water practice, water purification, water supply, water treatment

ICS 71.100.80

English version

Products used for the treatment of water intended for human consumption - Granular activated carbon - Part 2: Reactivated granular activated carbon

Produits utilisés pour le traitement de l'eau destinée à la consommation humaine - Charbon actif en grains - Partie 2: Charbon actif en grains réactivé

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Granulierte Aktivkohle - Teil 2: Reaktivierte granulierte Aktivkohle

This European Standard was approved by CEN on 14 February 2003.

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 Management Centre 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 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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Foreword

This document (EN 12915-2:2003) 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.

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 reactivated granular activated carbon used for treatment of water intended for human consumption. It describes the characteristics of reactivated granular activated carbon and specifies the requirements and the corresponding test methods for reactivated 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 12915-1:2003, *Products used for the treatment of water intended for human consumption – Granular activated carbon - Part 1: Virgin granular activated carbon*.

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

[EN 12915-1:2003]

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

[EN 12915-1:2003]

3.3

spent granular activated carbon

granular activated carbon with reduced adsorption capacity as a result of operational use

3.4

reactivation

process used to restore all or part of the adsorption capacity of spent granular activated carbon

NOTE The most common process is thermal reactivation but other methods can be used.

3.5

reactivated granular activated carbon.

spent granular activated carbon that has been subjected to reactivation

NOTE Usually, reactivated granular activated carbon is returned to the water treatment plant at which it was previously used. The delivered product can include make-up granular activated carbon and/or top-up granular activated carbon.