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Standards

Irish Standard  
I.S. EN 12915-1:2009

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

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I.S. EN 12915-1:2009

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English Version

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

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

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

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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 CEN Management Centre has the same status as the official versions.

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## Foreword

This document (EN 12915-1:2009) 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of an identical text or by endorsement, at the latest by September 2009, and conflicting national standards shall be withdrawn at the latest by September 2009.

This document supersedes EN 12915-1:2003.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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.

Differences between this edition and EN 12915-1:2003 are editorial to harmonize the text with other standards in this series.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, 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.

NOTE Conformity with this European 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.

## 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

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 12901:1999, *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, *Water for analytical laboratory use – Specification and test methods (ISO 3696:1987)*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12901:1999 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).

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