



NSAI
Standards

Irish Standard
I.S. EN 12903:2009

Products used for the treatment of water intended for human consumption - Powdered activated carbon

I.S. EN 12903:2009

Incorporating amendments/corrigenda issued since publication:

<i>This document replaces:</i> I.S. EN 12903:2003	<i>This document is based on:</i> EN 12903:2009 EN 12903:2003	<i>Published:</i> 11 March, 2009 5 September, 2003
This document was published under the authority of the NSAI and comes into effect on: 11 May, 2009		ICS number: 71.100.80
NSAI 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	Sales: T +353 1 857 6730 F +353 1 857 6729 W standards.ie Price Code: F
Údarás um Chaighdeáin Náisiúnta na hÉireann		

I.S. EN 12903:2009

EUROPEAN STANDARD

EN 12903

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2009

ICS 71.100.80

Supersedes EN 12903:2003

English Version

Products used for the treatment of water intended for human consumption - Powdered activated carbon

Produits utilisés pour le traitement de l'eau destinée à la consommation humaine - Charbon actif en poudre

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Pulver-Aktivkohle

This European Standard was approved by CEN on 9 February 2009.

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

CEN members are the national standards bodies of 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 United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

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 form	6
5 Physical properties.....	6
5.1 Appearance	6
5.2 Particle size distribution	6
5.3 Bulk density packed	6
6 Chemical properties	6
6.1 General.....	6
6.2 Purity criteria.....	6
7 Specific properties.....	8
8 Test methods.....	8
8.1 Sampling	8
8.2 Analysis	8
9 Labelling, transportation and storage	9
9.1 Means of delivery.....	9
9.2 Risk and safety labelling according to the EU directives	9
9.3 Transportation regulations and labelling.....	10
9.4 Marking	10
9.5 Storage.....	10
Annex A (informative) General information on powdered activated carbon.....	11
A.1 Origin	11
A.2 Properties	11
A.3 Use	12
A.4 Rules for safe handling and use	13
A.5 Emergency procedures	13
Bibliography	14

Foreword

This document (EN 12903:2009) 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.

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 document supersedes EN 12903:2003.

Differences between this edition and EN 12903:2003 are editorial to harmonize the text with other standards in this series.

Annex A is informative.

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 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 European Standard is applicable to powdered activated carbon used for treatment of water intended for human consumption. It describes the characteristics of powdered activated carbon and specifies the requirements and the corresponding test methods for powdered 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 787-11, *General methods of test for pigments and extenders - Part 11: Determination of tamped volume and apparent density after tamping (ISO 787-11:1981)*

3 Terms and definitions

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

4 Description

4.1 Identification

4.1.1 Chemical name(s)

Carbon.

4.1.2 Synonym or common names

Activated coal, activated charcoal, active carbon.

4.1.3 Chemical formula

C (elementary).

4.1.4 CAS Registry Number ¹⁾

7440-44-0.

4.1.5 EINECS reference ²⁾

231-153-3.

1) Chemical Abstracts Service Registry Number.

2) European Inventory of Existing Commercial Chemical Substances.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-