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Products used for treatment of swimming pool water -
Powdered activated carbon



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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ICS 71.100.80

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EUROPEAN STANDARD

EN 15799

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2022

ICS 71.100.80

Supersedes EN 15799:2010

English Version

Products used for treatment of swimming pool water - Powdered activated carbon

Produits utilisés pour le traitement de l'eau des
piscines - Charbon actif en poudre

Produkte zur Aufbereitung von Schwimm-und
Badebeckenwasser - Pulver-Aktivkohle

This European Standard was approved by CEN on 20 April 2022.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

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Contents	Page
European foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Description	5
5 Physical properties	5
6 Purity criteria	5
6.1 General	5
6.2 Impurities and main by-products	6
6.3 Water-extractable substances	6
6.4 Specific properties	6
7 Test methods	6
8 Labelling - Transportation - Storage	6
8.1 Means of delivery	6
8.2 Risk and safety labelling according to the EU Directives	6
8.3 Transportation regulations and labelling	6
8.4 Marking	7
8.5 Storage	7
Annex A (informative) General information on powdered activated carbon	8
Annex B (normative) General rules relating to safety	10
Bibliography	11

European foreword

This document (EN 15799:2022) 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 December 2022, and conflicting national standards shall be withdrawn at the latest by December 2022.

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

This document supersedes EN 15799:2010.

In comparison with the previous edition, the following technical modifications have been made:

- a) modification of 8.3 on transportation regulations and labelling, adding the sentence “The user must be aware of the incompatibilities between transported products.”;
- b) modification of 8.4 on marking. The requirements of marking are also applied to the accompanying documents;
- c) update of bibliography.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

In respect of potential adverse effects on the quality of swimming pool water, caused by the product covered by this document:

- a) this document 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 document 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 document is subject to regulation or control by National Authorities.

1 Scope

This document is applicable to powdered activated carbon used for treatment of swimming pool water. 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 swimming pool water treatment.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 12902, *Products used for treatment of water intended for human consumption - Inorganic supporting and filtering materials - Methods of test*

EN 12903:2009, *Products used for the treatment of water intended for human consumption - Powdered activated carbon*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Description

For the identification, the commercial form, and the chemical properties see the relevant subclauses of EN 12903:2009.

For additional information on powdered activated carbon, see Annex A.

5 Physical properties

For the physical properties, the product shall conform to the requirements specified in the relevant subclauses of EN 12903:2009.

For very small particle size (1 μm), powdered activated carbon used in conjunction with ultra-filtration, the contents of oversize and undersize particles should not exceed a mass fraction of 5 %.

6 Purity criteria

6.1 General

This document specifies the minimum purity requirements for powdered activated carbon used for the treatment of swimming pool water. Limits are given for impurities commonly present in the product. Depending on the raw material and the manufacturing process other impurities may be present and, if so, this shall be notified to the user and when necessary to relevant authorities.

NOTE The national regulations allow users to clarify whether the product is of appropriate purity for the treatment of water for swimming pools, taking into account water quality, required dosage, contents of other impurities and additives used in the product and not stated in this product document.