Products used for treatment of water intended for human consumption - Sand and gravel

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12904:2000 sisaldab Euroopa standardi EN 12904:1999 ingliskeelset teksti.	This Estonian standard EVS-EN 12904:2000 consists of the English text of the European standard EN 12904:1999.
Standard on kinnitatud Eesti Standardikeskuse 11.01.2000 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 11.01.2000 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

This document is a preview generated by EVS

ICS 13.060.20

Standardite reprodutseerimis- ja levitamisõigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonilisse süsteemi või edastamine ükskõik millises vormis või millisel teel on keelatud ilma Eesti Standardikeskuse poolt antud kirjaliku loata.

Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:
Aru 10 Tallinn 10317 Eesti; www.evs.ee; Telefon: 605 5050; E-post: info@evs.ee

Right to reproduce and distribute belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without permission in writing from Estonian Centre for Standardisation.

If you have any questions about standards copyright, please contact Estonian Centre for Standardisation:
Aru str 10 Tallinn 10317 Estonia; www.evs.ee; Phone: 605 5050; E-mail: info@evs.ee

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 12904

August 1999

ICS 13.060.20

English version

Products used for treatment of water intended for human consumption - Sand and gravel

Produits utilisés pour le traitement de l'eau destinée à la consommation humaine - Sable et gravier

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Sand und Kies

This document is a preview generated by EVS

This European Standard was approved by CEN on 16 July 1999.

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 Central Secretariat 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 Central Secretariat 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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

© 1999 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Contents

Page

Foreword **3**

Introduction **4**

1 Scope **4**

2 Normative references **4**

3 Definition and symbols **4**

4 Description **4**
4.1 Identification 4
4.2 Commercial forms 4

5 Physical properties **5**
5.1 Appearance 5
5.2 Particle size distribution 5
5.3 Density 5

6 Chemical properties **5**

7 Test methods **6**
7.1 Sampling 6
7.2 Analysis 6

8 Labelling, transportation and storage **7**
8.1 Means of delivery 7
8.2 Risk and safety labelling according to the EU Directives 7
8.3 Transportation regulations and labelling 7
8.4 Marking 7
8.5 Storage 7

Annex A (informative) General information on sand and gravel **8**

Bibliography **12**

This document is a preview generated by EVS

Foreword

This European Standard 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 February 2000, and conflicting national standards shall be withdrawn at the latest by February 2000.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This document is a preview generated by EVS

Introduction

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

1) This 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 ;

2) 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.

This document is a preview generated by EVS

1 Scope

This European Standard is applicable to sand and gravel used for treatment of water intended for human consumption. It describes the characteristics of sand and gravel and specifies the requirements and the corresponding test methods for sand and gravel. It gives information on their 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.

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.*

3 Definition and symbols

For the purpose of this standard, the definitions and symbols given in EN 12901 apply.

4 Description

4.1 Identification

4.1.1 Chemical name(s)

Silica, silicon dioxide (SiO_2).

4.1.2 Synonym or common names

Silica sand and silica gravel.

4.2 Commercial forms

Sand and gravel according to this standard are available in different particle size ranges.