

Setete iseloomustus. pH väärtuse määramine

Characterization of sludge - Determination of pH-value

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12176:1999 sisaldab Euroopa standardi EN 12176:1998 ingliskeelset teksti. Käesolev dokument on jõustatud 12.12.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 12176:1999 consists of the English text of the European standard EN 12176:1998. This document is endorsed on 12.12.1999 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: Käesoleva standardi käsitlusulatuses on setted, s.o. kõik setteproduktid: sademevee käitlusest; fekaalveest; linnaheitvee kollektorsüsteemidest; linnaheitvee töötlemise seadetest; tööstusheitvee töötlemisest, mis sarnaneb linnaheitvee töötlemisele; veevarustussüsteemide veetöötlusseadmetest; veejaotussüsteemidest; välja arvatud ohtlikud tööstussetted. Käesolev meetod on rakendatav pH väärtuste määramiseks setetes, mis sisaldavad vedelikke, pastataolist või tahket materjali. Kui setteproovid on küllalt vedelad, võib teha vastavaid mõõtmisi otse. Kui setteproovid sisaldavad suhteliselt suure protsendi tahkeid aineid, saab mõõtmist teostada pärast veega lahjendamist.	Scope:
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ICS 13.030.20, 13.060.30

Võtmesõnad: ettevalmistus, heitveesetete töötlemine, mõõtmised, ph, potentsiomeetrilised meetodid, proovid, setted, testimine

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Descriptors: Sludge, pH value, testing.

English version

Characterization of sludge

Determination of pH value

Caractérisation des boues –
Détermination de la valeur du pH

Charakterisierung von Schlamm –
Bestimmung des pH-Wertes

This European Standard was approved by CEN on 1998-01-16.

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.

The European Standards exist 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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 308 "Characterization of sludges" 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 August 1998, and conflicting national standards shall be withdrawn at the latest by August 1998.

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.

0 Introduction

The pH value is a necessary parameter for monitoring the treatment of urban and comparable industrial sludges as well as of sludges from water supply treatment plants and to assess the suitability of the use of sludge in agriculture or for its disposal to land fill. The pH value of liquid sewage sludge may be used to monitor digester performance.

1 Scope

The scope of this standard is the sludges, i.e. and sludges products from :

- storm water handling ;
- night soil ;
- urban wastewater collecting systems ;
- urban wastewater treatment plants ;
- treating industrial wastewater similar to urban wastewater (as defined in Directive 91/271 EEC) ;
- water supply treatment plants ;
- water distribution systems ;
- but excluding hazardous sludges from industry.

This method is applicable to the determination of pH values of sludges which include liquid, paste-like or solid matter. If the sludge sample is sufficiently liquid, direct measurement should be made. If the sludge sample contains relatively high percentages of solids the measurement should be carried out after dilution with water.

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 amendment 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.

prEN 12880	Characterization of sludges – Determination of dry residue and water content
ISO 3696	Water for analytical laboratory use - Specification and test methods
ISO 10523:1994	Water quality - Determination of pH