National Standards Authority of Ireland

STANDARD

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CHARACTERIZATION OF WASTE - ANALYSIS OF ELUATES - DETERMINATION OF AMMONIUM, AOX, CONDUCTIVITY, HG, PHENOL INDEX, TOC, EASILY LIBERATABLE CN-,F-

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English version

Characterization of waste - Analysis of eluates - Determination of Ammonium, AOX, conductivity, Hg, phenol index, TOC, easily liberatable CN^-, F^-

Caractérisation des déchets - Analyse chimique des éluats - Détermination de l'ammonium, des AOX, de la conductivité, du Hg, de l'indice phénol, du COT, des CN^- aisément libérables et des F^-

Charakterisierung von Abfällen - Chemische Analyse von Eluaten - Bestimmung von Ammonium, AOX, Leitfähigkeit, Hg, Phenolindex, TOC, leicht freisetzbarem CN^-, F^-

This European Standard was approved by CEN on 25 March 2003.

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 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 Management Centre 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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 13370:2003) has been prepared by Technical Committee CEN/TC 292 "Characterization of waste", the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by December 2003, and conflicting national standards shall be withdrawn at the latest by December 2003.

This document supersedes ENV 13370:2001.

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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This standard is intended to be used for the characterization of waste as defined in the Council Directive 75/442/EEC on waste, as amended by Council Directive 91/156/EEC of 18th March 1991, and national regulations, whose final destination for disposal is landfill.

It deals with the determination of conductivity and chemical constituents which have been extracted by leaching of waste samples for example using EN 12457 Characterisation of waste - Leaching - Compliance test for leaching of granular waste materials and sludges – Part 1 - 4.

This European Standard together with EN 12506 is intended to define analytical methods for eluates. A large number of compounds can interfere with the determination of the parameters concerned. These potential interferences are listed in the individual standards in question.

For the analytical determinations ENV ISO 13530 and EN ISO/IEC 17025 should be considered.

1 Scope

This European Standard specifies methods for the determination of the parameters Ammonium, AOX, conductivity, Hg, phenol index, TOC, easily liberatable CN^-, F^- in aqueous eluates for the characterization of waste.

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 (including amendments).

EN 1483	Water quality - Determination of mercury
EN 1484	Water analysis - Guidelines for the determination of total organic carbon (TOC) and dissolved organic carbon (DOC)
EN 1485	Water quality - Determination of adsorbable organically bound halogens (AOX)
EN 27888	Water quality - Determination of electrical conductivity (ISO 7888:1985)
EN ISO 5667-3	Water quality - Sampling - Part 3: Guidance on the preservation and handling of samples (ISO 5667-3:1994)
EN ISO 10304-1	Water quality - Determination of dissolved fluoride, chloride, nitrite, orthophosphate, bromide, nitrate and sulfate ions, using liquid chromatography of ions - Part 1: Method for water with low contamination (ISO 10304-1:1992)
EN ISO 14402	Water quality - Determination of the phenol index by flow analysis (FIA and CFA)(ISO 14402:1999)
EN ISO 14403:1998	Water quality – Determination of total cyanide and free cyanide by continuous flow analysis.(ISO 14403:2002)