SIST

SLOVENSKI STANDARD
SIST EN ISO 11732:2005

01-julij-2005

Nadomeġļ a:
SIST EN ISO 11732:1999

Kakovost vode - Doloļ evanje amonijevega duġika ï Metoda s pretoļ no analizo (CFA in FIA) in spektrometrijsko detekcijo (ISO 11732:2005)

Water quality - Determination of ammonium nitrogen - Method by flow analysis (CFA and FIA) and spectrometric detection (ISO 11732:2005)

Wasserbeschaffenheit - Bestimmung von Ammoniumstickstoff - Verfahren mittels Fließanalytik (CFA und FIA) und spektrometrischer Detektion (ISO 11732:2005)

Qualité de l'eau - Dosage de l'azote ammoniacal - Méthode par analyse en flux (CFA et FIA) et détection spectrométrique (ISO 11732:2005)

Ta slovenski standard je istoveten z: **EN ISO 11732:2005**

ICS:

13.060.50	Preiskava vode na kemiļ ne snovi	Examination of water for chemical substances

SIST EN ISO 11732:2005 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 11732

February 2005

ICS 13.060.50

Supersedes EN ISO 11732:1997

English version

Water quality - Determination of ammonium nitrogen - Method by flow analysis (CFA and FIA) and spectrometric detection (ISO 11732:2005)

Qualité de l'eau - Dosage de l'azote ammoniacal - Méthode par analyse en flux (CFA et FIA) et détection spectrométrique (ISO 11732:2005)

Wasserbeschaffenheit - Bestimmung von Ammoniumstickstoff - Verfahren mittels Fließanalytik (CFA und FIA) und spektrometrischer Detektion (ISO 11732:2005)

This European Standard was approved by CEN on 3 January 2005.

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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.

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

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Foreword

This document (EN ISO 11732:2005) has been prepared by Technical Committee ISO/TC 147 "Water quality" in collaboration with Technical Committee CEN/TC 230 "Water analysis", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by August 2005, and conflicting national standards shall be withdrawn at the latest by August 2005.

This document supersedes EN ISO 11732:1997.

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

Endorsement notice

The text of ISO 11732:2005 has been approved by CEN as EN ISO 11732:2005 without any modifications.

INTERNATIONAL STANDARD

ISO 11732

Second edition
2005-02-01

Water quality — Determination of ammonium nitrogen — Method by flow analysis (CFA and FIA) and spectrometric detection

Qualité de l'eau — Dosage de l'azote ammoniacal — Méthode par analyse en flux (CFA et FIA) et détection spectrométrique

Reference number
ISO 11732:2005(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 11732 was prepared by Technical Committee ISO/TC 147, *Water quality*, Subcommittee SC 2, *Physical, chemical and biochemical methods*.

This second edition cancels and replaces the first edition (ISO 11732:1997), which has been technically revised.

Introduction

Methods using flow analysis are automating wet chemical procedures and are therefore particularly suitable for the processing of large sample series at a high analysis frequency (up to 100 samples per hour).

It is differentiated between flow injection analysis (FIA)[1],[2] and continuous flow analysis (CFA)[3]. Both methods consist of the automatic dosage of the sample introduced into a flow system (manifold) in which the sample analytes react with the reagent solutions on their way through the manifold. The sample preparation may be integrated into the manifold. The reaction product is measured in a flow detector.

The user should be aware that particular problems could require the specification of additional marginal conditions.