



SLOVENSKI STANDARD
SIST EN ISO 15682:2001
01-december-2001

Water quality - Determination of chloride by flow analysis (CFA and FIA) and photometric or potentiometric detection (ISO 15682:2000)

Water quality - Determination of chloride by flow analysis (CFA and FIA) and photometric or potentiometric detection (ISO 15682:2000)

Wasserbeschaffenheit - Bestimmung von Chlorid mittels Fließanalyse (CFA und FIA) und photometrischer oder potentiometrischer Detektion (ISO 15682:2000)

Qualité de l'eau - Dosage du chlorure par analyse en flux (CFA et FIA) et par détection photométrique ou potentiométrique (ISO 15682:2000)

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Ta slovenski standard je istoveten z: EN ISO 15682:2001

ICS:

13.060.50 Examination of water for chemical substances

SIST EN ISO 15682:2001 en

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 15682**

August 2001

ICS 13.060.50

English version

**Water quality - Determination of chloride by flow analysis (CFA and FIA) and photometric or potentiometric detection (ISO 15682:2000)**

Qualité de l'eau - Dosage du chlorure par analyse en flux (CFA et FIA) et par détection photométrique ou potentiométrique (ISO 15682:2000)

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This European Standard was approved by CEN on 18 June 2001.

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

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

**Management Centre: rue de Stassart, 36 B-1050 Brussels**

EN ISO 15682:2001 (E)

<b>CORRECTED 2001-11-07</b>
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## Foreword

The text of the International Standard from Technical Committee ISO/TC 147 "Water quality" of the International Organization for Standardization (ISO) has been taken over as an European Standard by 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 February 2002, and conflicting national standards shall be withdrawn at the latest by February 2002.

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.

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Endorsement notice

The text of the International Standard SO 15682:2001 has been approved by CEN as a European Standard without any modifications.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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**Annex ZA (normative)**  
**Normative references to international publications  
with their relevant European publications**

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).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 3696	1987	Water for analytical laboratory use - Specification and test methods	EN ISO 3696	1995

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# INTERNATIONAL STANDARD

**ISO**  
**15682**

First edition  
2000-07-15

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## Water quality — Determination of chloride by flow analysis (CFA and FIA) and photometric or potentiometric detection

*Qualité de l'eau — Dosage du chlorure par analyse en flux (CFA et FIA) et  
par détection photométrique ou potentiométrique*

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Reference number  
ISO 15682:2000(E)

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Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
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Web [www.iso.ch](http://www.iso.ch)

Printed in Switzerland



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**ISO 15682:2000(E)****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 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 15682 was prepared by Technical Committee ISO/TC 147, *Water quality*, Subcommittee SC 2, *Physical, chemical and biochemical methods*.

Annexes A, B and C of this International Standard are for information only.

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## Introduction

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

Differentiation is required between flow injection analysis (FIA) [1, 2], and continuous flow analysis (CFA) [3]. Both methods share the feature of automatic dosage of the sample into a flow system (manifold) where the analytes in the sample react with the reagent solutions on their way through the manifold. The sample preparation may be integrated in the manifold. The amount of reaction product is measured in a flow detector (e.g. photometer, or ion-selective electrode). The detector produces a signal from which the concentration of the parameter is calculated.

It should be investigated whether and to what extent particular problems will require the specification of additional marginal conditions.

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