



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN ISO 9963-1:1996

ICS 13.060.01

**WATER QUALITY - DETERMINATION OF
ALKALINITY - PART 1 : DETERMINATION OF
TOTAL AND COMPOSITE ALKALINITY (ISO
9963-1 : 1994)**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

DECLARATION

OF

SPECIFICATION

ENTITLED

WATER QUALITY - DETERMINATION OF ALKALINITY - PART 1 : DETERMINATION OF
TOTAL AND COMPOSITE ALKALINITY (ISO 9963-1 : 1994)

AS

THE IRISH STANDARD SPECIFICATION FOR

WATER QUALITY - DETERMINATION OF ALKALINITY - PART 1 : DETERMINATION OF
TOTAL AND COMPOSITE ALKALINITY (ISO 9963-1 : 1994)

Forfás in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 (No. 20 of 1961) and the Industrial Development Act, 1993 (No. 19 of 1993), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Water quality - Determination of alkalinity - Part 1 : Determination of total and composite alkalinity (ISO 9963-1 : 1994)) Declaration, 1996.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Water quality - Determination of alkalinity - Part 1 : Determination of total and composite alkalinity (ISO 9963-1 : 1994). The Schedule comprises the text of EN ISO 9963-1 : 1995.

(2) The said standard specification may be cited as Irish Standard/EN ISO 9963-1:1996 or as I.S./EN ISO 9963-1:1996.

EUROPEAN STANDARD

EN ISO 9963-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 1995

ICS 13.060.40

Descriptors: water, quality, water tests, chemical analysis, determination, alkalinity, volumetric analysis

English version

**Water quality - Determination of alkalinity - Part 1:
Determination of total and composite alkalinity
(ISO 9963-1:1994)**

Qualité de l'eau - Détermination de
l'alcalinité - Partie 1: Détermination de
l'alcalinité totale et composite
(ISO 9963-1:1994)

Wasserbeschaffenheit - Bestimmung der
Alkalinität - Teil 1: Bestimmung der gesamten
und der zusammengesetzten Alkalinität
(ISO 9963-1:1994)

This European Standard was approved by CEN on 1995-10-11. 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.

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CEN

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Comité Européen de Normalisation
Europäisches Komitee für Normung

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Ref. No. EN ISO 9963-1:1995 E

Foreword

The text of the International Standard from ISO/TC 147 "Water quality" of the International Organization for Standardization (ISO) has been taken over as a European Standard by the Technical Committee CEN/TC 230 "Water analysis".

This European Standard consists of the following parts:

- EN ISO 9963-1 - Water quality - Determination of alkalinity - Part 1: Determination of total and composite alkalinity
- EN ISO 9963-2 - Water quality - Determination of alkalinity - Part 2: Determination of carbonate alkalinity

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 June 1996, and conflicting national standards shall be withdrawn at the latest by June 1996.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

Endorsement notice

The text of the International Standard ISO 9963-1:1994 was approved by CEN as a European Standard without any modification.

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

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