



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 12260:2003

ICS 13.060.50

**WATER QUALITY - DETERMINATION OF
NITROGEN - DETERMINATION OF
BOUND NITROGEN (TNB), FOLLOWING
OXIDATION TO NITROGEN OXIDES**

National Standards
Authority of Ireland
Dublin 9
Ireland

Tel: (01) 807 3800
Tel: (01) 807 3838

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EUROPEAN STANDARD
NORME EUROPÉENNE
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EN 12260

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Supersedes ENV 12260:1996

English version

**Water quality - Determination of nitrogen - Determination of
bound nitrogen (TN_b), following oxidation to nitrogen oxides**

Qualité de l'eau - Dosage de l'azote - Dosage de l'azote lié
(TN_b) après oxydation en oxydes d'azote

Wasserbeschaffenheit - Bestimmung von Stickstoff -
Bestimmung von gebundenem Stickstoff (TN_b) nach
Oxidation zu Stickstoffoxiden

This European Standard was approved by CEN on 1 August 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
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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Foreword

This document (EN 12260:2003) has been prepared 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of an identical text or by endorsement, at the latest by March 2004, and conflicting national standards shall be withdrawn at the latest by March 2004.

This document supersedes ENV 12260: 1996

Annexes A B, and C are informative annexes.

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.

EN 12260:2003 (E)

Introduction

WARNING — Persons using this standard should be familiar with normal laboratory practice. This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

It is absolutely essential that tests carried out according to this European Standard are carried out by suitably qualified staff.

This European Standard specifies a method for the determination of total bound nitrogen after oxidation of inorganic and organic nitrogen compounds by combustion to nitrogen oxides. Quantification is carried out by chemiluminescence.

The procedure referred to in the normative part is the reference method. Whilst staying within the scope of this standard, it is permissible to use such alternatives as given in annex A only, provided that their performance is equal to or better than that given in clause 13 and tables in annex B and C, when calculated using procedures given in ISO 5725-2, and when the comparison of performance data between this European Standard and any alternative technique is carried out using the procedures described in ISO 2854.

All references to nitrogen concentrations are expressed in units of mg/l N, i.e. milligrams of nitrogen per litre solution.

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