

Chemicals used for treatment of water intended for human consumption — Oxygen

ICS 13.060.20; 71.100.80

National foreword

This British Standard is the UK implementation of EN 12876:2009. It supersedes BS EN 12876:2000 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CII/59, Chemicals for drinking water treatment.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

**Chemicals used for treatment of water intended for human
consumption - Oxygen**

Produits chimiques utilisés pour le traitement de l'eau
destinée à la consommation humaine - Oxygène

Produkte zur Aufbereitung von Wasser für den
menschlichen Gebrauch - Sauerstoff

This European Standard was approved by CEN on 29 November 2008.

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Foreword

This document (EN 12876:2009) has been prepared by Technical Committee CEN/TC 164 "Water supply", the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by July 2009, and conflicting national standards shall be withdrawn at the latest by July 2009.

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

This document supersedes EN 12876:2000.

Significant technical difference between this edition and EN 12876:2000 is as follows:

- a) deletion of reference to EU Directive 80/778/EEC of July 15, 1980 in order to take into account the latest Directive in force (see [1]).

Annex A is informative.

Annexes B and C are normative.

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Introduction

In respect of potential adverse effects on the quality of water intended for human consumption, caused by the product covered by this European Standard:

- a) This European Standard provides no information as to whether the product may be used without restriction in any of the Member States of the EU or EFTA;
- b) It should be noted that, while awaiting the adoption of verifiable European criteria, existing national regulations concerning the use and/or the characteristics of this product remain in force.

NOTE Conformity with the standard does not confer or imply acceptance or approval of the product in any of the Member States of the EU or EFTA. The use of the product covered by this European Standard is subject to regulation or control by National Authorities.

1 Scope

This European Standard is applicable to oxygen used for treatment of water intended for human consumption. It describes the characteristics of oxygen and specifies the requirements and the corresponding test methods for oxygen. It gives information on its use in water treatment.

2 Normative reference

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1089-3, *Transportable gas cylinders – Gas Cylinder identification (excluding LPG) – Part 3: Colour coding*

3 Description

3.1 Identification

3.1.1 Chemical name

Oxygen.

3.1.2 Synonym or common name

None.

3.1.3 Relative molecular mass

32,00

3.1.4 Empirical formula

O₂

3.1.5 Chemical formula

O = O

3.1.6 CAS Registry Number¹⁾

7782-44-7

3.1.7 EINECS reference²⁾

231-956-9

1) Chemical Abstract Service Registry Number.

2) European Inventory of Existing Commercial Chemical Substances.