



**BRITISH STANDARD**

**BS EN ISO  
3696 : 1995**

# **Water for analytical laboratory use — Specification and test methods**

The European Standard EN ISO 3696 : 1995 has the status of a  
British Standard

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## National foreword

This British Standard has been prepared under the direction of the Chemicals Standards Committee. It is identical with ISO 3696 : 1987 'Water for analytical laboratory use — Specification and test methods', published by the International Organization for Standardization (ISO).

In 1995 the European Committee for Standardization (CEN) accepted ISO 3696 : 1987 as European Standard EN ISO 3696. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN ISO 3696 and any reference to BS 3978 should be read as a reference to BS EN ISO 3696.



This standard is a revision of BS 3978 : 1966, which is withdrawn. The principal changes in this edition are as follows.

- (a) The single grade of water has been replaced by three grades, of which grade 3 is roughly equivalent to the water specified in the previous edition.
- (b) Residue on ignition is no longer specified and the requirement (for grade 3 water) for residue on evaporation has been tightened.
- (c) Electrical conductivity is now measured at 25 °C instead of 20 °C, and the requirement for grade 3 water has been changed from 1 mS/m to 0.5 mS/m.
- (d) The limit for oxidizable matter for grade 3 water has been tightened.
- (e) Requirements for ammonia content, chloride content and sulphate content are no longer included.

**Terminology and conventions.** The text of the international standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

The symbol 'l' has been used to denote litre (and in its submultiples). In British Standards it is current practice to use the symbol 'L'.

The spelling 'sulfur', etc. has been used. In British Standards it is current practice to use the spelling 'sulphur', etc.

Wherever the words 'International Standard' appear, referring to this standard, they should be read as 'British Standard'.

**Additional information.** If water complying with BS 3978 is specified in another British Standard without stating which grade should be used, it is recommended that grade 3 be used (see clause 3).

**Textual errors.** When adopting the text of the international standard, the textual errors listed below were discovered. They have been marked in the text and have been reported to ISO in a proposal to amend the text of the international standard.

- (a) In the note to clause 5 the cross-reference should read 'see note 2 to clause 4'.
- (b) In paragraph 1, line 3 of 7.6.1.1, the reference should be to 7.6.2.1 and not 7.5.2.3.

In paragraph 1, line 4 of 7.6.1.1, 'mix the sample with a dry' should read 'mix with the sand using a dry'.

**Compliance with a British Standard does not of itself confer immunity from legal obligations.**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 3696

April 1995

ICS 71.040.30

Descriptors: Inorganic chemistry, chemical analysis, chemical reagents, water, classification, specification, tests, storage

English version

# Water for analytical laboratory use— Specification and test methods

(ISO 3696 : 1987)

Eau pour laboratoire à usage analytique—  
Spécification et méthodes d'essai  
(ISO 3696 : 1987)

Wasser für analytische Laborzwecke—  
Spezifikation und Prüfverfahren  
(ISO 3696 : 1987)

This European Standard was approved by CEN on 1995-02-13. 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.

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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**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

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Ref. No. EN ISO 3696 : 1995 E