

Water quality —

Part 2: Physical, chemical and biochemical methods —

Section 2.50 Determination of pH

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee EPC/44, Water quality, to Subcommittee EPC/44/2, Physical, chemical and biochemical methods, upon which the following bodies were represented:

- The Association of the Laboratory Supply Industry
- British Agrochemicals Association Ltd.
- British Ceramic Research
- British Gas plc
- British Soft Drinks Association Ltd.
- Chemical Industries Association
- Convention of Scottish Local Authorities
- Department of the Environment (Water Directorate)
- Department of Trade and Industry (Laboratory of the Government Chemist)
- GAMBICA (BEAMA) Ltd.
- Industrial Water Society
- Institution of Water and Environmental Management
- National Rivers Authority
- Royal Society of Chemistry
- Soap and Detergent Industry Association
- Society of Chemical Industry
- Swimming Pool and Allied Trades Association Ltd.
- Water Companies' Association
- Water Research Centre
- Water Services Association of England and Wales

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National foreword

This Section of BS 6068 has been prepared by Subcommittee EPC/44/2 and is identical with ISO 10523:1994 *Water quality — Determination of pH*.

The international standard was prepared by Technical Committee 147, Water quality, of the International Organization for Standardization (ISO) with the active participation and approval of the UK.

BS 6068 is being published in a series of Parts subdivided into Sections that will generally correspond to particular international standards. Sections are being, or will be, published in Parts 1 to 7 which, together with Part 0, are listed below:

- *Part 0: Introduction;*
- *Part 1: Glossary;*
- *Part 2: Physical, chemical and biochemical methods;*
- *Part 3: Radiological methods;*
- *Part 4: Microbiological methods;*
- *Part 5: Biological methods;*
- *Part 6: Sampling;*
- *Part 7: Precision and accuracy.*

NOTE The tests described in this Section of BS 6068 should only be carried out by suitably qualified persons with an appropriate level of chemical expertise. Standard chemical procedures should be followed throughout.

Cross-reference

Publication referred to	Corresponding British Standard
ISO 5667-3:1985 ^a	BS 6068 <i>Water quality</i> Part 6 <i>Sampling</i> Section 6.3:1986 <i>Guidance on the preservation and handling of samples</i>

^a ISO 5667-3:1985 has been superseded by ISO 5667-3:1994 which is identical with BS EN ISO 5667-3 which will be published shortly.

Additional information

In clause 4.3, final sentence, a volume of 100 ml of silver nitrate would be appropriate.

In the examples in clause 10, note that the temperatures are not rounded to the nearest degree as instructed in the second paragraph.

Textual errors. When adopting the text of this 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.

In 7.2 paragraphs 1, 2 and 3 should be presented after paragraph 5.

Clause 7.3.2 should read as follows.

Calibrate the instrument as in 7.2. Verify the calibration using one of the standard solutions of low buffer capacity given in Annex C. Measure the pH of the samples as in 7.2.

In Annex B, Solution B, lines 1 and 2 should read as follows.

Add 30 g of potassium hydrogen tartrate to 1 litre of water in a volumetric flask and shake for... .

NOTE A comma should be inserted in line 4 of 7.3 after “deionized”.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.