

Water quality —

Part 2: Physical, chemical and biochemical methods —

Section 2.2 Determination of iron: 1, 10-phenanthroline photometric method

[ISO title: Water analysis — Determination of
iron — 1, 10-phenanthroline photometric method]

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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National foreword

This Section of this British Standard, which has been prepared under the direction of the Environment and Pollution Standards Committee, is identical with ISO 6332:1982 “*Water analysis — Determination of iron — 1, 10-phenanthroline photometric method*”. The International Standard was prepared by subcommittee 2, Physical, chemical and biochemical methods, of Technical Committee 147, Water quality, of the International Organization for Standardization (ISO) as a result of discussion in which the UK participated.

This British Standard 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 the following Parts.

- *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.*

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.

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

Cross-reference

International Standard	Corresponding British Standard
ISO 5667-1:1980	BS 6068 <i>Water quality</i> Section 6.1:1981 <i>Guidance on the design of sampling programmes</i> (Identical)

- Additional information.** 1) Attention is drawn to the general method for determination of iron by a 1,10-phenanthroline spectrophotometric method, published as BS 6337-3.
- 2) Attention is drawn to the need to take into account the dilution factor of 5 when calculating results when the procedure given in 7.2.1.2 has been carried out.
- 3) The following clarification of the instructions in clause 7 for taking test portions and test samples should be noted:
- a) in line 2 of 7.1, “(clause 6)”, should be read as “(6.2, 6.3 or 6.4, as appropriate)”;
 - b) in line 2 of 7.2.1, “appropriate” should be read before “test portion”;
 - c) in line 1 of 7.2.2, “appropriate” should be read before “test sample” and “either 6.2 or 6.3” should be read as “7.1”;
 - d) in line 1 of 7.2.3, “appropriate” should be read before “test portion”.

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.

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Summary of pages

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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.