

Water quality —

Part 2: Physical, chemical and biochemical methods —

Section 2.5 Determination of total mercury by flameless atomic absorption spectrometry: method after pretreatment with ultraviolet radiation

[ISO title: Water quality — Determination of total mercury by
flameless atomic absorption spectrometry — Part 2: Method after
pretreatment with ultraviolet radiation]

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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 5666-2:1983 “*Water quality — Determination of total mercury by flameless atomic absorption spectrometry — Part 2: Method after pretreatment with ultraviolet radiation*”. 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 Parts 1 to 6 which, together with Part 0, are as follows.

- *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”.

It is current practice in British Standards for the symbol “L” to be used for litre rather than “l” and for the term “sulphur” to be used rather than “sulfur”.

Cross-references

International Standard	Corresponding British Standard
ISO 5725:1981	BS 5497 <i>Precision of test methods</i> Part 1:1979 <i>Guide for the determination of repeatability and reproducibility for a standard test method</i> (Technically equivalent)
ISO 5666-1:1983	BS 6068 <i>Water quality</i> Section 2.4:1984 <i>Determination of total mercury by flameless atomic absorption spectrometry: method after digestion with permanganate-peroxodisulphate</i> (Identical)
ISO 5666-3:1984 ^a	BS 6068 <i>Water quality</i> Section 2.6:1984 <i>Determination of total mercury by flameless atomic absorption spectrometry: method after digestion with bromine</i> (Identical)

^a In clause 0, paragraph 5 of this British Standard, there is a reference to Part 3 of ISO 5666, which is referred to as being under study; this has now been published (see reference above to BS 6068-2.6).

WARNING. The procedure specified in this standard is intended to be carried out by qualified chemists or by other suitably trained and/or supervised personnel. Attention is especially drawn to the toxic nature of mercury and its solutions and of other reagents used in this method of analysis and to the need to take particular care in the handling and disposal of solutions.

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

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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.