

Water quality — Evaluation of the elimination and biodegradability of organic compounds in an aqueous medium — Activated sludge simulation test

The European Standard EN ISO 11733:1998 has the status of a British Standard

ICS 07.100.20

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee EH/3, Water quality, to Subcommittee EH/3/5, Biological methods, upon which the following bodies were represented:

- BLWA Ltd. (The Association of the Laboratory Supply Industry)
- Department of Economic Development (Northern Ireland)
- Department of Health
- Department of the Environment (Her Majesty's Inspectorate of Pollution)
- Department of the Environment (Water Directorate)
- Freshwater Biological Association
- Institution of Water and Environmental Management
- Ministry of Agriculture, Fisheries and Food
- National Rivers Authority
- Royal Society of Chemistry
- Scottish Natural Heritage
- Soap and Detergent Industry Association
- Water Research Centre

This British Standard, having been prepared under the direction of the Health and Environment Sector Board, was published under the authority of the Standards Board and comes into effect on 15 July 1996

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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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Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
1 Scope	3
2 Normative references	3
3 Definitions	3
4 Principle	4
5 Test environment	4
6 Reagents and materials	4
7 Apparatus	5
8 Procedure	6
9 Calculation and expression of results	8
10 Validity of the test	9
11 Test report	9
Annex A (informative) Test systems	10
Annex B (informative) Example of an elimination curve	13
Annex C (informative) Coupling of the test units	13
Annex D (informative) Bibliography	14
Annex ZA (normative) Normative references to international publications with their relevant European publications	15
Figure A.1 — Activated sludge plant model	10
Figure A.2 — Porous pot model	11
Figure A.3 — Example of dimensions of an aeration vessel and a separator of the activated sludge plant model	12
List of references	Inside back cover

National foreword

This British Standard is the English language version of EN ISO 11733:1998 and is identical with EN ISO 11733:1998 *Water quality — Evaluation of the elimination and biodegradability of organic compounds in an aqueous medium — Activated sludge simulation test*, published by the European Committee for Standardization and ISO 11733:1995 published by the International Organization for Standardization. It retains the dual identifier of BS 6068-5.20:1996.

The international standard was prepared by ISO Technical Committee 147, Water quality, 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 biological expertise. Standard biological procedures should be followed throughout.

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.

In **6.3**, line 2, “is” should be “are”.

In **8.2.3**, in the sixth item in note 5, line 2 “silicon” should be “silicone”; in the last item, line 3 “to” should be “but”.

In **8.2.4**, in note 6, line 3 “COD or the test” should read “COD of the test”.

In **9.2.2**, line 4, “takes” should be “take”.

Cross-references

Publication referred to	Corresponding British Standard
ISO 6060:1989	BS 6068 <i>Water quality</i> Part 2 <i>Physical, chemical and biochemical methods</i> Section 2.34:1988 <i>Method for the determination of the chemical oxygen demand</i> (Technically equivalent)
ISO 8192:1986	BS EN ISO 8192:1995 <i>Water quality. Test for inhibition of oxygen consumption by activated sludge</i> (Identical)
ISO 9408:1991	BS EN 29408:1993 <i>Water quality. Evaluation in an aqueous medium of the “ultimate” aerobic biodegradability of organic compounds: method by determining the oxygen demand in a closed respirometer</i> (Identical)
ISO 9439:1990	BS EN 29439:1992 <i>Water quality. Evaluation in an aqueous medium of the “ultimate” aerobic biodegradability of organic compounds: method by analysis of released carbon dioxide</i> (Identical)

Publication referred to	Corresponding British Standard
ISO 9888:1991	BS EN 29888:1993 <i>Water quality. Evaluation of the aerobic biodegradability of organic compounds in an aqueous medium. Static test (Zahn-Wellens method)</i> (Identical)

The Technical Committee has reviewed the provisions of ISO 8245:1987, ISO 10304-2:1995 and ISO 10634:1995 and of the drafts of ISO/DIS 11732 and ISO/DIS 11923, to which normative reference is made in the text and has decided that they are acceptable for use in conjunction with this standard.

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

This document comprises a front cover, an inside front cover, pages i to iv, the EN ISO title page, pages 2 to 16, 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.

ICS 13.060.040

Descriptors: Water, quality, organic compounds, tests, water tests, biological tests, determination, biodegradability, aerobic bacteria

English version

Water quality — Evaluation of the elimination and biodegradability of organic compounds in an aqueous medium — Activated sludge simulation test

(ISO 11733:1995)

Qualité de l'eau — Evaluation de l'élimination et de la biodégradabilité des composés organiques en milieu aqueux — Essai de simulation des boues activées (ISO 11733:1995)

Wasserbeschaffenheit — Untersuchung der Elimination und der biologischen Abbaubarkeit organischer Verbindungen in einem aquatischen Medium — Belebtschlamm-Simulationstest (ISO 11733:1995)

This European Standard was approved by CEN on 21 June 1998.

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Comité Européen de Normalisation
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Foreword

The text of the International Standard from Technical Committee ISO/TC 147, Water quality, of the International Organization for Standardization (ISO) has been taken over as a European Standard by Technical Committee CEN/TC 230, Water analysis, the Secretariat of which is held by DIN.

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 January 1999, and conflicting national standards shall be withdrawn at the latest by January 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 11733:1995 has been approved by CEN as a European Standard without any modification.

NOTE Normative references to International Standards are listed in Annex ZA (normative).