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Carbon disulphide for industrial use —

Part 2: Sampling and methods of test

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Cooperating organizations

The Chemical Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations.

- Association of Fatty Acid Distillers
- British Tar Industry Association
- Chemical Industries Association*
- Chemical Society, Analytical Division
- Department of Health and Social Security
- Department of Industry, Laboratory of the Government Chemist
- Fertiliser Manufacturers' Association Ltd.
- Hydrocarbon Solvents Association
- Institution of Gas Engineers
- Ministry of Agriculture, Fisheries and Food
- Ministry of Defence*
- National Sulphuric Acid Association
- Paintmakers' Association of Great Britain Ltd.
- Royal Institute of Public Health and Hygiene
- Soap and Detergent Industry Association
- Standardization of Tar Products Tests Committee

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- British Man-made Fibres Federation
- British Plastics Federation
- Imperial Chemical Industries Limited
- Oil and Colour Chemists' Association
- Pharmaceutical Society of Great Britain
- Royal Institute of Chemistry

This British Standard, having been prepared under the direction of the Chemical Standards Committee, was published under the authority of the Executive Board on 30 June 1978

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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 Part of BS 662 is identical with ISO 3144 “Carbon disulphide for industrial use — Sampling and methods of test”.

It has been prepared under the direction of the Chemical Standards Committee to provide a specification and methods of test for carbon disulphide for industrial use. This revision has been prepared as a result of United Kingdom participation in international work on sampling and methods of test for carbon disulphide.

The first edition of this standard was issued in 1936. A revision, published in 1950, was amended in 1954 to include the determination of sulphur dioxide and was confirmed in 1960. The present edition extends the scope of the specification and incorporates ISO 3144.

This standard is presented in three Parts:

- *Part 1: Specification*¹⁾;
- *Part 2: Sampling and methods of test*;
- *Part 3: Additional methods of test*¹⁾.

Part 3 specifies methods for the determination of thiophene, benzene, mercaptans and hydrocarbons in carbon disulphide, which are not included in ISO 3144, and gives an alternative method for the determination of hydrogen sulphide and inorganic sulphur which avoids the use of the extremely deliquescent sodium sulphide nonahydrate.

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

The comma has been used throughout 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 interpreted as “British Standard”.

Cross-references. The following International Standards are referred to in the text and for each there is a corresponding British Standard; these are as listed below:

International Standard	Corresponding British Standard
ISO/R 758	BS 4522 <i>Method for the determination of density of liquids at 20 °C</i> (Technically equivalent)
ISO/R 918 ^a	BS 4591 <i>Method for the determination of distillation characteristics</i> (Technically equivalent)
ISO 2209	BS 5598 <i>Methods of sampling and test for halogenated hydrocarbons</i> Part 1: <i>Sampling of liquid products</i> (Identical)
ISO 2211	BS 5339 <i>Method of measurement of colour in Hazen units (platinum-cobalt scale) of liquid chemical products</i> (Identical)

^a 3.1 and 3.2 of ISO 918 correspond to the similarly numbered subclauses of BS 918.

Additional information.

BS 1792 “One-mark, volumetric flasks” specifies suitable flasks for use with this standard method.

BS 3978 “Water for laboratory use” specifies water meeting the requirements of 7.1.2

¹⁾ In course of preparation.

BS 5309 “*Methods for sampling chemical products*” Part 1: “*Introduction and general principles*” and Part 3: “*Sampling of liquids*” are also relevant.

NOTE *Textual errors.* When adopting the text of the International Standard the printing errors listed below were noticed. They have been corrected in this British Standard and have been reported to Technical Committee 47, Chemistry, of the International Organization for Standardization in a proposal to amend the text of the International Standard.

- a) In line 1 of the note in clause 3, “present” has been deleted and replaced by “, if present,”.
- b) In 7.1.5, line 5, “H₂O”, has been deleted and replaced by “H₂S”.
- c) In the formula in 7.1.5. “m₂” in the left-hand term has been deleted and replaced by “m₃”.
- d) In 7.2.4.3.2 and 7.2.4.4.2, “rev/s” has been deleted and replaced by “r/s”.

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.