

CONFIRMED
DECEMBER 2007

Specification for

Gas sampling tubes

Co-operating organizations

The Scientific Glassware and Related Laboratory Apparatus Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:—

- Admiralty*
- Air Ministry
- Association of British Chemical Manufacturers*
- Association of Scientific Workers
- Board of Trade
- British Association for the Advancement of Science*
- British Chemical Ware Manufacturers' Association*
- British Laboratory Ware Association*
- British Lampblown Scientific Glassware Manufacturers' Association*
- British Pharmacopœia Commission
- British Scientific Instrument Research Association
- Chemical Society
- Department of the Government Chemist*
- D.S.I.R. — Chemical Research Laboratory
- Glass Manufacturers' Federation*
- Institute of Petroleum*
- Ministry of Education
- Ministry of Health*
- Ministry of Supply*
- National Physical Laboratory*
- Oil Companies Materials Committee
- Pharmaceutical Society of Great Britain
- Royal Institute of Chemistry*
- Science Masters' Association
- Society for Analytical Chemistry*
- Society of Chemical Industry
- Society of Glass Technology*
- Standardization of Tar Products Tests Committee*

The Government departments and scientific and industrial 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:—

- Association of Hospital Management Committees
- Guild of Public Pharmacists
- High Commission of India
- Metropolitan Water Board
- University of London (Faculty of Science)
- Individual manufacturers

This British Standard, having been approved by the Scientific Glassware and Related Laboratory Apparatus Industry Standards Committee and endorsed by the Chairman of the Chemical Divisional Council, was published under the authority of the General Council on 29 April 1954

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ISBN 0 580 35608 6

Amendments issued since publication

Amd. No.	Date	Comments

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Foreword

This standard makes reference to the following British Standard:—

BS 1751, *General purpose glass stopcocks*.

This British Standard has been prepared to cover the conventional types of gas sampling tube fitted with straight bore or double oblique bore stopcocks. The specification forms one of a series suggested by the British Laboratory Ware Association, and the working drawings first prepared by the B.L.W.A. in 1948 have been taken into consideration when preparing the standard.

The need for this standard arises principally from the fact that gas sampling tubes are commonly fitted in carrying cases, so that it is very convenient to the user to be able to obtain replacements from any source of supply to fit the original case. The dimensions affecting interchangeable fitting into a carrying case are the only mandatory ones in the specification because, so long as the stopcocks are ground to prevent leakage, the other features do not, in general, affect the performance or utility of a gas sampling tube.

The nominal capacities of 100 and 250 ml. have been selected as being the most popular in general use. The tubes are designed so that the 100 ml. tube will provide at least one 100 ml. or two 50 ml. samples and the 250 ml. tube twice as many.

The Type 1 tube is included in view of the wide demand for it for general work, but for accurate analysis the Type 2 tube is usually preferred because it enables the connecting tube to be purged before transferring the sample.

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 and ii, pages 1 to 6, 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.