

CONFIRMED
JULY 1990

Medicine measures —

Part 1: Specification for medicine measures of 50 mL total graduated capacity

UDC 615.473.8:681.121.12:641.517

Confirmed
December 2011

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Health Care Standards Committee (HCC/-) to Technical Committee HCC/20, upon which the following bodies were represented:

- Association of National Health Service Supplies Officers
- Association of the British Pharmaceutical Industry
- British Medical Association
- British Surgical Trades Association Incorporated
- Department of Health and Social Security
- Glass Manufacturers' Federation
- Guild of Hospital Pharmacists
- Medical Sterile Products Association
- National Pharmaceutical Association
- Paediatric Pharmacists' Group
- Pharmaceutical Services Negotiating Committee
- Pharmaceutical Society of Great Britain
- Proprietary Association of Great Britain
- Royal Society of Medicine
- Scottish Pharmaceutical Federation

This British Standard, having been prepared under the direction of the Health Care Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 October 1985

© BSI 08-1999

BS 3221-1 first published February 1960
BS 3221-2 first published September 1962
BS 3221-3 first published February 1966
BS 3221-5 first published November 1966
Combined first revision as BS 3221-1 October 1985

The following BSI references relate to the work on this standard:
Committee reference HCC/20
Draft for comment 84/52445 DC

ISBN 0 580 14472 0

Amendments issued since publication

Amd. No.	Date of issue	Comments
5368	August 1986	Indicated by a sideline in the margin

Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
1 Scope	1
2 Definition	1
3 Materials	1
4 Design	1
5 Hydrolytic resistance of glass measures	1
6 Capacity	2
7 Scale	2
8 Stability	2
9 Resistance to hot water	3
10 Rigidity	3
11 Marking	3
Appendix A Guidance for selection of plastics materials	4
Appendix B Method for determination of capacity	4
Appendix C Test for resistance to hot water	4
Appendix D Determination of rigidity of plastics medicine measures	4
Figure 1 — Examples of designs for 50 mL medicine measures	1
Figure 2 — Scales for 50 mL medicine measures	2
Figure 3 — Suitable apparatus for testing rigidity of plastics measures	5
Publications referred to	Inside back cover

Foreword

This Part of BS 3221 has been prepared under the direction of the Health Care Standards Committee. It is a combined revision of the following Parts of BS 3221.

- *Part 1:1960: Glass medicine measures of 50 mL capacity;*
- *Part 2:1962: Glass medicine measures of 30 mL capacity;*
- *Part 3:1966: Plastics medicine measures of 50 mL capacity;*
- *Part 5:1966: Plastics medicine measures of 10 mL capacity.*

This Part supersedes all four Parts listed above. Part 1:1960 and Part 3:1966 are withdrawn. Parts 2 and 5 were withdrawn in 1983. Plastics medicine measuring spoons are covered by Parts 4 and 6 as follows.

- *Part 4: Plastics medicine measuring spoons of 5 mL capacity¹⁾;*
- *Part 6: Specification for free-standing plastics medicine measuring spoons of 5 mL capacity.*

This Part of BS 3221 specifies general requirements and essential performance requirements for measures made either of glass or of plastics materials, and which are graduated at doses ranging from 10 mL to 50 mL. The accuracy of measurement specified aligns with that specified for plastics medicine spoons, but the design of the measure has not, apart from the scale and graduations, been specified in detail, thus allowing some variation in overall configuration. Test methods and requirements for rigidity and for resistance to hot water are introduced.

It has not been found practicable to specify requirements or tests for the biological safety of the materials of which the measure is made, and neither are tests given for resistance to staining by commonly used pharmaceutical colorants nor for resistance to detergent and disinfectant solutions. Appendix A, however, contains guidance for the selection of plastics materials for the manufacture of measures.

Attention is drawn to BS 1922 which specifies measures for use by the pharmacist in the preparation of medicines.

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.

¹⁾ It is intended that Part 4 will be withdrawn in 1986.