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Australian Standard 1258—1977

DENTAL GUTTA-PERCHA POINTS

The Dental Materials Committee of the Australian Dental Association has adopted this standard for use in connection with its programme for accreditation of certified dental products, lists of which are published periodically. Enquiries regarding this programme should be addressed direct to the Australian Dental Association. When used in connection with the programme, the standard is known as Australian Dental Standard 1258 (ADS 1258).

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POINT, PULP CANAL, DENTAL (GUTTA PERCHA)]

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DEFENCE OF AUSTRALIA

THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations and departments were officially represented on the commitee entrusted with the preparation of this standard:

Associated Chambers of Commerce of Australia
Australian Dental Association
Australian Dental Schools
Australian Dental Standards Laboratory
Australian Dental Trade Association
Australian Society of Endodontology
Department of Defence

This standard, prepared by Committee DN/12, Endodontic Materials and Instruments, was approved on behalf of the Council of the Standards Association of Australia on 4 June 1976, and was published on 1 February 1977.

To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

PREFACE

This standard was prepared under the authority of the Dental Materials and Equipment Standards Committee and is one of a series intended for use in assessing the quality of dental materials used in Australia.

In particular, this standard applies to 'standardized' size dental gutta-percha points used for sealing tooth root canals.

In the preparation of this standard, the Committee took cognizance of the U.S. Federal Standard GG-P-5946 Point, Pulp Canal, (Gutta-percha, Dental) and Point-assortment, Pulp Canal, (Gutta-percha, Dental).

Attention is drawn to the fact that facilities for testing of materials for compliance with this standard are available at the Australian Dental Standards Laboratory, 18 Lonsdale Street, Melbourne, Vic. 3000.

This standard was issued in draft form for public review as DR 72069.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard Specification for DENTAL GUTTA-PERCHA POINTS

1 SCOPE. This specification applies to gutta-percha points which are manufactured to 'standardized' size designations and suitable for sealing root canals.

2 DEFINITION. For the purposes of this specification, the following definitions apply:

Point — the gutta-percha point.
Tip — the end of the point.

3 MATERIAL. The point shall be essentially of premium quality gutta-percha free from toxic substances and other impurities. A non-toxic radio-opaque substance shall be incorporated in sufficient quantity and uniformly distributed throughout to render the point visible in a correctly exposed radiograph. The manufacturer shall supply to the testing authority the composition of the point or data confirming the non-toxicity of the ingredients. At oral temperature, the material shall be sufficiently plastic to enable adequate condensation into the root canal.

4 WORKMANSHIP. The point shall be made round and smooth and shall be free from foreign matter and free from structural defects and deficiencies likely to be detrimental to its intended use.

5 DESIGN. The point shall be uniformly tapered for the first 16 mm and may have a blunt or rounded tip. Where the other end is flattened, the faces shall be parallel to the axis of the point and to each other. The flattened section shall have a longitudinal length of about 4 mm.

6 COLOUR. Unless otherwise specified, the colour of the point shall be pink.

7 DIMENSIONS. The diameter D_1 and D_2 of the point as measured or calculated shall conform to Table 1, where D_1 is the diameter of the projection of the taper at the tip, and D_2 is the diameter at a distance of 16.00 ± 0.01 mm from D_1. The point shall have a uniform taper of 0.02 mm/mm over this distance.

Unless otherwise specified by the purchaser, the nominal overall length of the point shall be not less than 28 mm and the tolerance on nominal length shall be ± 1.0 mm.