

**SRI LANKA STANDARD 276 : 2013**  
UDC 687.972

**SPECIFICATION FOR  
TOOTHBRUSHES**  
*(Third Revision)*

**SRI LANKA STANDARDS INSTITUTION**

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SPECIFICATION FOR TOOTHBRUSHES  
(Third Revision)**

**SLS 276 : 2013  
(Attached AMD 474, AMD 513, AMD 536)**

**Gr. 8**

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## FOREWORD

This Sri Lanka Standard was approved by the Sectoral Committee on Chemical and Polymer Technology and authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 2013-10-30.

This specification was first published in 1974, followed by the First Revision in 1989 and the Second Revision in 2007. The Third Revision is issued to cover the toothbrushes with dual textured /multi textured filaments. A new test method for the determination of the strength of the shaft has been included instead of the test method for the determination of handle impact strength specified in Amendment 02. Technical contents specified in Amendment 02 have been incorporated in to this Revision.

A toothbrush shall provide efficient cleaning of the tooth surfaces. It should not cause tooth abrasion or intra oral injuries. The performance of a toothbrush will depend not only on the material and construction but also on its shape, design and the method of brushing teeth. Although an ideal shape and design for a toothbrush could not be prescribed, recommendations made by the experts in dental and oral hygiene have been considered in this Specification. The filaments should be round ended to reduce the potential for any unwanted effects such as injury to soft tissue, abrasion, etc.

With the view of accommodating different varieties of toothbrushes available in the market, requirements have been specified for the number of filaments per toothbrush, instead of specifying the number of filaments per tuft.

This specification is subject to the restrictions imposed under the Cosmetics, Devices and Drugs Act No. 27 of 1980, Consumer Affairs Authority Act No. 09 of 2003 and the Regulations framed thereunder.

For the purpose of deciding whether a particular requirement of this specification is complied with, the final value, observed or calculated, expressing a result of a test or an analysis, shall be rounded off in accordance with **SLS 102**. The number of significant places retained in the rounded off value shall be the same as that of the specified value in this specification.

In the preparation of this specification, the assistance obtained from the following publications is gratefully acknowledged.

IS 3387 : 2004 Specification for toothbrush  
SANS 1374 : 2008 Toothbrushes

## 1 SCOPE

**1.1** This specification prescribes the requirements, methods of sampling and tests for toothbrushes having tufts of synthetic filaments and intended to be used manually for oral hygiene as a general cleaning device.

**1.2** It does not cover toothbrushes with natural bristle tufts or electrically operated toothbrushes. Specialized tooth cleaning devices designed for specific oral conditions are also outside the scope of this specification.

## 2 REFERENCES

SLS 102 Rules for rounding off numerical values

SLS 428 Random sampling methods

## 3 DEFINITIONS

For the purpose of this specification the following definitions shall apply (see Figure 1) :

**3.1 brush** : The part of the toothbrush that comprises the tufts.

**3.2 handle** : The part of the toothbrush which is not defined as the head.

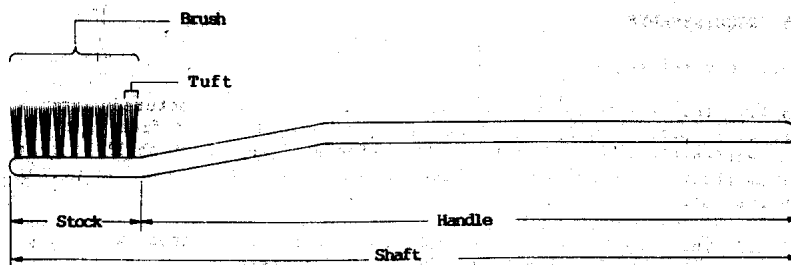
**3.3 head** : The stock and the brush of the toothbrush.

**3.4 shaft** : The complete toothbrush except the tufts.

**3.5 stock** : The extension of the handle which supports the tufts.

**3.6 filament** : A single element of a tuft fixed in to a brush

**3.7 tuft** : The aggregate of the filaments that are fixed in one hole in the stock.



**FIGURE 1 – Different parts of a toothbrush**