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**NATIONAL STANDARD OF THE  
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**Powered toothbrushes - General requirements and test  
methods**

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### Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents"

Drafting.

This document is drafted with reference to ISO.20127.2020 "Physical Properties of Dental Electric Toothbrushes", and the degree of consistency is non-equivalent.

### 1 Scope

This document specifies the terms and definitions, requirements, test methods, inspection rules, signs, packaging, transportation and storage of electric toothbrushes.

This document applies to electric toothbrushes powered by batteries.

This document does not apply to oral care appliances such as electric interdental brushes.

### 2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, dated quotations

Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

This document.

GB/T 191 Packaging, storage and transportation pictorial signs

GB/T 2828.1-2012 Sampling inspection procedures by attributes Part 1. Batch inspection sampling searched by acceptance quality limit (AQL)

plan

GB/T 2829-2002 Periodic Inspection Attribute Sampling Procedure and Table (Applicable to the Inspection of Process Stability)

GB/T 4214.1-2017 General requirements for noise test methods of household and similar electrical appliances

GB/T 5296.2 Instructions for Use of Consumer Products Part 2. Household and similar electrical appliances

GB 6675.2-2014 Toy Safety Part 2. Mechanical and Physical Properties

GB 39669-2020 General technical requirements for the safety of toothbrushes and oral appliances

### 3 Terms and definitions

The following terms and definitions defined in GB 39669-2020 apply to this document.

#### 3.1

Electric toothbrush

It is powered by a battery, and the brush head is equipped with a wire to clean the surface of the teeth.

#### 3.2

Powered toothbrush head

Fixed or detachable ends of electric toothbrushes with brush filaments.

### 4 categories

4.1 Electric toothbrushes are divided into adult electric toothbrushes and children electric toothbrushes according to the applicable groups.

4.2 Electric toothbrush heads are divided into detachable heads and non-detachable heads according to the assembly method.