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**PHARMACEUTICAL INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YY/T 1284-2024

Replacing YY/T 1284.1-2015, YY/T 1284.2-2015, YY/T 1284.3-2015

Dentistry - Dental tweezers

牙科学 牙科镊

(English Translation)

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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 for standardization documents" Drafting.

This document replaces YY/T 1284.1-2015 "Dental Forceps Part 1: General Requirements", YY/T 1284.2-2015 "Dental Forceps Part 2: Double curved type", YY/T 1284.3-2015 "Dental forceps Part 3: Single curved type", and YY/T 1284.1-2015, Compared with YY/T 1284.2-2015 and YY/T 1284.3-2015, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The scope has been changed (see Chapter 1, Chapter 1 of the 2015 edition);
- b) The normative references have been changed (see Chapter 2, Chapter 2 of the 2015 edition);
- c) Added terms and definitions (see Chapter 3, Chapter 3 of the 2015 edition);
- d) Added classification (see Chapter 4);
- e) The design and dimensions have been changed (see 5.1, 4.1 of YY/T 1284.2-2015 and YY/T 1284.3-2015);
- f) The materials have been changed (see 5.2, Chapter 4 of YY/T 1284.1-2015);
- g) The hardness has been changed (see 5.3, 5.2 of YY/T 1284.1-2015);
- h) The surface has been changed (see 5.4, 5.3 of YY/T 1284.1-2015);
- i) Increased opening and closing force (see 5.5);
- j) The repeated treatment tolerance was changed (see 5.6, 5.4 and 5.5 of YY/T 1284.1-2015);
- k) Changed the marking (see 7.1, 7.2, Chapter 7 of YY/T 1284.1-2015, YY/T 1284.2-2015 and YY/T 1284.3-2015, Chapter 5);
- l) Added instruction manual (see 7.3);
- m) The maximum total length has been deleted (see 5.1 of YY/T 1284.1-2015);
- n) Elasticity has been deleted (see 5.6 of YY/T 1284.1-2015);
- o) The word "joining" has been deleted (see 5.7 of YY/T 1284.1-2015).

This document is modified to adopt ISO 15098:2020 "Dental forceps in dentistry". The technical differences between this document and ISO 15098:2020 and their Here are the reasons.

--- ISO 6508-1 (see 5.3) has been replaced by the normative reference GB/T 230.1 to

adapt to my country's technical conditions and increase operability.

Sex;

--- ISO 1101 (see 5.1) has been replaced by the normative reference GB/T 1182 to adapt to my country's technical conditions and increase operability.

Sex;

--- ISO 2768-1 (see 5.1) has been replaced by the normative reference GB/T 1804 to adapt to my country's technical conditions and increase operability.

Sex;

--- ISO 1942 (see Chapter 3) has been replaced by the normative reference GB/T 9937 to adapt to my country's technical conditions and increase operability.

Sex;

--- ISO 7153-1 (see 5.2) has been replaced by the normative reference YY/T 0294.1 to adapt to my country's technical conditions and increase operability.

Sex;

--- Replaced ISO 15223-1:2016 (see Chapter 7) with the normative reference YY/T 0466.1-2023.

The consistency level is modified to adapt to my country's technical conditions and increase operability;

Operability;

--- Replaced ISO 17664 (see 5.6, 6.4, 7.3) with the normative reference YY/T 0802 to adapt to my country's technical conditions and increase Increase operability;

--- Changed the value of single curved type 2 dental forceps b3 in Table 1, corrected "?" to "12", clarified the value and improved operability;

--- Change the length requirements in 5.1.2.2 and 5.1.2.3 to "the length shall comply with the requirements of Table 1" to make the content consistent;

--- Changed the requirements for positioning pins in 5.1.5 to meet the current domestic production and use status;

--- Added Figure 5, a schematic diagram of the midpoint of the opening length of dental forceps, to make the force application position more intuitive;

--- Deleted the relevant content of UDI in 7.1 and 7.2d). The UDI label must comply with relevant domestic laws and regulations and is not a standard requirement.

List;

The following editorial changes were made to this document.

- Deleted the international standard foreword;
- Delete the reference URLs of ISO and IEC terminology databases in Chapter 3;
- 5.5 adds the test according to 6.2;
- Deleted the note of 7.3.

1 Scope

This document specifies the general requirements for dental forceps and describes the corresponding test methods.

This document applies to single and double curved metal dental forceps.

This document does not apply to dissecting forceps and medical forceps.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 230.1 Rockwell hardness test for metallic materials Part 1: Test method (GB/T 230.1-2018, ISO 6508-1.

2016,MOD)

GB/T 1182 Product Geometric Specification (GPS) Geometric Tolerances Shape, Orientation, Position and Runout Tolerances (GB/T 1182-2018, ISO 1101:2007, MOD)
GB/T 1804 General tolerances Tolerances of linear and angular dimensions without tolerances (GB/T 1804-2000, ISO 2768-1.

1989,eqv)

GB/T 9937 Dental Terminology (GB/T 9937-2020, ISO 1942:2009, MOD) YY/T 0294.1 Surgical Instrument Materials Part 1: Metallic Materials (YY/T 0294.1-2024, ISO 7153-1.

2016,MOD)

YY/T 0466.1-2023 Medical devices symbols for information provided by manufacturers Part 1: General requirements (ISO 15223-1:2021,MOD) YY/T 0802 Handling of medical devices Information provided by medical device manufacturers (YY/T 0802-2020, ISO 17664.

2017,MOD)