ICS 97.180
CCS Y50

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 26717-2024

Fountain pens and nibs

自来水笔及其笔尖

Issued on: July 24, 2024 **Implemented on: February 1, 2025**

Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC

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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 is required. This document replaces GB/T 26717-2011 "Fountain pens and their nibs". Compared with GB/T 26717-2011, except for the structural adjustment In addition to editorial changes, the main technical changes are as follows: Added pen-shaped water storage type in the classification of water storage structures (see 4.2); - Added the classification of pen tongue (see 4.3);- The appearance requirements have been changed (see 5.1,

4.1 of the.2011 edition); - Added the requirements and test methods for initial write performance and vertical drip (see 5.2, 6.3, 6.4); - The requirements and test methods for corrosion resistance of the coating have been changed (see 5.2, 6.6, 4.1,

5.4 of the.2011 edition); - The water absorption requirement has been changed and the water storage requirement has been added (see 5.2,

4.1 of the.2011 edition); - Changes to the leakage resistance requirements and test methods (see 5.2, 6.10, 4.1,

5.8 of the.2011 edition); - The method of expressing the gold content of the nib has been changed (see 5.4,

4.2 of the.2011 edition); - The requirements and test methods for stitch width have been changed (see 5.4, 6.15, 4.2,

5.13 of the.2011 edition); - Added requirements and test methods for phthalate plasticizer content (see 5.5, 6.17); - The test conditions have been changed (see 6.1.1,

5.1.1 of the.2011 edition); - The test methods for writing performance and intermittent writing have been changed (see 6.8, 6.9, 5.6,

5.7 of the.2011 edition); - The formulation of the test ink has been changed (see Appendix B, Appendix A of the.2011 edition). - Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was proposed by China Light Industry Federation. This document is under the jurisdiction of the National Technical Committee for Standardization of Pen Manufacturing (SAC/TC 378). This document was drafted by: Shanghai Hero Fountain Pen Factory Co., Ltd., Beifa Group Co., Ltd., Shanghai Hero Fountain Pen Factory Lishui Co., Ltd. Shanghai Pen Technology Service Co., Ltd., Shandong Yizhibi Cultural Technology Co., Ltd., Shanghai Chenguang Stationery Co., Ltd., Guangdong Le Pusheng Stationery Co., Ltd., Guangzhou Inspection, Testing and Certification Group Co., Ltd., Shanghai Pafuluo Stationery Co., Ltd., National Educational and Cultural Products Quality Quality Supervision and Inspection Center, Shanghai Wencai

Industrial Co., Ltd., Zhejiang Lishui Chuanren Pen Co., Ltd., Nanchang Dewen Pen Co., Ltd., Deli Group Co., Ltd., Jinan Kailaidi Precision Instrument Co., Ltd., Lishui Zhengxiang Pen Co., Ltd., Nanchang Jinhang Hardware Products Co., Ltd. Co., Ltd., Nanchang Paili Pen Co., Ltd., Ningbo Zhaosheng Stationery Co., Ltd., Qingdao Yatan Stationery Co., Ltd., Tianjin Ostrich Ink Co., Ltd., Tieling Fengjing Stationery Co., Ltd., Wenzhou Aihao Pen Co., Ltd., Wenzhou Tianfeng Stationery Co., Ltd., Zhejiang Meijiada Stationery Co., Ltd., Zhejiang Lishui Blue Sky Pen Co., Ltd. The main drafters of this document are. Dong Wenbin, Zhang Weiming, Long Shuiyun, Chen Ge, and Chen Zengle. The previous versions of this document and the documents it replaces are as follows: First published in.2011 as GB/T 26717-2011; This is the first revision. - Fountain pen and nib

1 Scope

GB/T 26717-2024 specifies fountain pens and their nibs. China makes most of the world's fountain pens, at every level from school pens sold by the million to gold-nibbed pens competing with the German and Japanese marques, and the failures that matter to a buyer are all in the ink path: a pen that will not start after a week in a drawer, one that floods when carried in an aircraft, one whose plating corrodes in the hand. The standard sets the categories and the requirements, then the test methods - appearance, preliminary performance, the vertical drip test, coating durability, plating corrosion resistance, water absorption and storage, writing performance, intermittent writing after standing, and leak resistance - followed by the inspection rules and the marking, packaging, transport and storage provisions. It replaces GB/T 26717-2011 and takes effect on 1 February 2025.

This document gives information on the classification of fountain pens and specifies the requirements, inspection rules, marking, packaging, transportation and storage of fountain pens. The corresponding test methods are described. This document applies to the research and development, production, testing and acceptance of fountain pens.

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. in this document.

GB/T 191 Pictorial markings for packaging, storage and transportation

GB/T 2828.1 Sampling procedures for inspection by attributes Part

1.Sampling plans for batch inspection based on the acceptance quality limit (AQL) GB/T 12654 Writing paper

GB/T 18043 Determination of precious metal content in jewelry - X-ray fluorescence

spectrometry

GB 21027 General safety requirements for student supplies QB/T 2992.1-2008 Pen Product Terminology Part

3 Terms and definitions

The terms and definitions defined in QB/T 2992.1-2008 apply to this document.

4 Categories

4.1 Fountain pens are classified into gold pens and iridium pens according to the material of the nib.

4.2 Fountain pens are divided into suction type, ink bag type and pen barrel water storage type according to the water storage structure. The suction type is divided into the press-type water absorber according to the water absorption part. and piston-type water absorbers.

4.3 The fountain pen feeder can be divided into two types according to the water outlet form. fine straight groove type and water guide core type.

Note. The trade name of fountain pens that use a water-drawing core-type feed is usually called a straight-liquid fountain pen.

4.4 Fountain pens are classified into dark nib, clear nib, semi-clear nib and curved nib according to the shape and structure of the nib.

5 Requirements

5.1 The appearance of a fountain pen shall meet the following requirements. The surface is smooth and free of defects such as cracks;

a) The whole stroke has no obvious skew;

b) The parts are assembled flat and firmly;

c) The logo should be legible. d)

5.2 The performance and physical and chemical properties of fountain pens shall comply with the requirements of Table 1.