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**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB/T 26711-2024**

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**Microporous nib pens**

微孔笔头墨水笔

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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 26711-2011 "Micropore pen tip fountain pen". Compared with GB/T 26711-2011, except for structural adjustments and In addition to editorial changes, the main technical changes are as follows: Changed the classification of micro-pore nib fountain pens (see Chapter 4, Chapter 3 of the.2011 edition); - Added the requirements and test methods for initial performance (see 5.1, 6.2); - Changed the requirements for writing performance, nib sliding force, nib strength, water resistance, and intermittent writing (see 5.1,.2011 edition) 4.1); Added adhesion requirements and test methods (see 5.1, 6.8); - Added requirements and test methods for temperature resistance (see 5.1, 6.12); - Added requirements and test methods for pen cap tension (see 5.1, 6.14); - The appearance requirements have been changed (see 5.2,

4.1 of the.2011 edition); - Added requirements and test methods for phthalate plasticizer content (see 5.3, 6.16); - Changed the requirements for circular writing machines (see 6.1.1,

5.1.1 of the.2011 edition); - The requirements for environmental conditions have been changed (see 6.1.3,

5.1.3 of the.2011 edition); - The test method for leakage resistance has been changed (see 6.4,

5.10 of the.2011 edition); - The test method for intermittent writing has been changed (see 6.9,

5.9 of the.2011 edition); - The test method for impact resistance has been changed (see 6.13,

5.8 of the.2011 edition); - Added sampling method for complete sets of products (see 7.2.2); - The sampling plan for factory inspection has been changed (see 7.3.2,

6.3.3 of the.2011 edition); - Changed the marking requirements for pens (see 8.1.1,

7.1 of the.2011 edition); - Changed the labeling requirements for sales packaging (see 8.1.3,

7.2.1 of the.2011 edition); - The shelf life requirement has been deleted (see

7.4.2 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: Beifa Group Co., Ltd., Guangdong Jinwannian Stationery Co., Ltd., Guangdong Baoke Stationery Co., Ltd., Shandong Yizhibi Cultural Technology Co., Ltd., Guangdong Lepusheng Stationery Co., Ltd., National Stationery Quality Supervision and Inspection Center, Zhaoqing Star Stationery Co., Ltd., Wenzhou Jinma Stationery Manufacturing Co., Ltd., Ningbo Zhaosheng Stationery Co., Ltd., Wenzhou Wentai Pen Co., Ltd. Company, Deli Group Co., Ltd., Shandong Lianfeng Precision Technology Co., Ltd., Shanghai Chenguang Stationery Co., Ltd., Shanghai Pen Technology Service Co., Ltd. Co., Ltd., Shangrao Duke Stationery Co., Ltd., Wenzhou Aihao Pen Co., Ltd., Wenzhou Tianfeng Stationery Co., Ltd., Zhejiang Meijia DA STATIONERY LIMITED. The main drafters of this document are Long Shuiyun, Wang Weina, Zhou Qiteng and Liu Hong. The previous versions of this document and the documents it replaces are as follows: First published in.2011 as GB/T 26711-2011; - This is the first revision. - Micro-pore ink pen

## 1 Scope

GB/T 26711-2024 covers the microporous nib pen - the fineliner, whose writing tip is a porous fibre or sintered bundle rather than a metal nib or a ball. The whole performance of the pen is the tip: capillary action in the pores has to deliver ink at exactly the rate the writing consumes it, and the pore structure has to keep its shape under the pressure of a hand rather than mushrooming and turning a fine line into a broad one. These pens are also bought overwhelmingly by students and offices on the strength of a stated line width and a claimed writing length, neither of which a purchaser can check, and both of which vary widely between products that look the same. This document gives the classification of microporous nib pens and specifies the requirements, the inspection rules, and the provisions for marking, packaging, transport and storage. Under ICS 97.180 and CCS Y50, it is written for pen manufacturers and their ink and tip suppliers, for the institutional and educational buyers who purchase in quantity against a specification, and for the quality inspection authorities.

This document provides information on the classification of micro-pore nib fountain pens and specifies the requirements, inspection rules, marking, packaging, etc. of micro-pore nib fountain pens. Packaging, transportation and storage, and the corresponding test methods are described. This document applies to the research and development, production, testing and acceptance of micropore ink pens (hereinafter referred to as "micropore ink 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 acceptance quality limit (AQL) GB/T 12654  
Writing paper

GB 21027 General safety requirements for student supplies

### 3 Terms and definitions

There are no terms or definitions that require definition in this document.

### 4 Categories

4.1 Microporous ink pens are divided into water-based microporous ink pens and oil-based microporous ink pens according to the properties of the ink. Water-based microporous ink pens are divided into oil-based microporous ink pens according to the types of ink colorants. Classification is divided into dye type and pigment type.

4.2 Microporous ink pens are divided into water storage core type and direct liquid type according to the water storage structure.

4.3 Micropore ink pens are classified into different specifications according to the diameter of the pen tip. For relevant information, see Appendix A.

### 5 Requirements

5.1 The performance of micro-pore ink pens shall comply with the requirements of Table 1.  
Table

1 Performance of microporous ink pen project Require test Method Oil-based microporous ink pen Water-based microporous ink pen Dye type Pigment type Initial writing performance. normal ink discharge within 100 mm

6.2 Writing performance The diameter of the pen tip is  $\leq$

0.5 mm. The line is smooth without obvious fading or line breakage when the line is drawn for more than 50 m.

6.3 The diameter of the pen tip is greater than

0.5 mm. The line is smooth without obvious fading or line breakage when the line is drawn for more than 100 m.