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

GB/T 46535-2025

**Guidelines for quality grading of consumer products - Writing
instruments**

消费品质量分级导则 笔类产品

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the China National Light Industry Council. This document is under the jurisdiction of the National Technical Committee on Standardization of Pen Manufacturing (SAC/TC378). This document was drafted by: Shanghai Pen Manufacturing Technology Service Co., Ltd., Shanghai Chenguang Stationery Co., Ltd., and Shanghai Hero Fountain Pen Factory Co., Ltd. The company, China First Pencil Co., Ltd., Guangdong Jinwannian Stationery Co., Ltd., Zhejiang Meijiada Stationery Co., Ltd., and Beifa Group Co., Ltd. The company, Shanghai Wencai Industrial Co., Ltd., Wenzhou Aihao Pen Industry Co., Ltd., Shanghai Hero Fountain Pen Factory Lishui Co., Ltd., Qingdao Dianshi Stationery Products Co., Ltd., Zhencai Stationery Co., Ltd., Shanghai Pavlo Cultural Supplies Co., Ltd., Shenzhen Qixin Group Co., Ltd., De Li Group Co., Ltd., Suzhou Xiongying Pen and Ink New Material Co., Ltd., Heilongjiang Taibi Stationery Co., Ltd., Harbin Tiantan Lead Core Co., Ltd. The company, Foshan Sanshui Yongshenghua Stationery Co., Ltd., Zhejiang Hongxing Stationery Co., Ltd., Shaoguan Shengyi Stationery Co., Ltd., National Stationery and Educational Supplies Quality Supervision and Inspection Center, Wenzhou Tianjiao Pen Industry Co., Ltd., Shangzhi Baosen Wood Industry Co., Ltd., Jilin Senpu Pencil Co., Ltd. Ren Company, Wenzhou Jinma Stationery Manufacturing Co., Ltd., Dixon Stationery (Kunshan) Co., Ltd., Heshan Jiayi Stationery Industry Co., Ltd. Anshuo Stationery (Shanghai) Co., Ltd., Zhejiang Jiuling Brush Co., Ltd., Wenzhou Feida Pen Industry Co., Ltd., Zhongshan Jiameiwen Co., Ltd., Wenzhou Baiside Pen Industry Co., Ltd., Zhaoqing Star Cultural Supplies Co., Ltd., Wenzhou Lantou Stationery Co., Ltd., Anhui Tianjian Stationery Technology Co., Ltd., Ningbo Weishu Electronic Technology Co., Ltd., Lishui Lantian Pen Manufacturing Co., Ltd., Zhejiang Province, and Jinan Bee Pen Industry. Limited Liability Company, Tonglu Yuhui Stationery Co., Ltd., Nanchang Jinhang Hardware Products Co., Ltd., Kokuyo Commercial (Shanghai) Co., Ltd., Yiwu Small Tree Seedling Cultural Supplies Co., Ltd., Weihai Jinma Pen Industry Co., Ltd., Jiangsu Xuetai Printing Co., Ltd., Zebra Trading (Shenzhen) Co.,

Ltd., Jinan Nankai Raddy Precision Instruments Co., Ltd., Dongguan Jijigao Cultural Development Co., Ltd., Nanchang Zhongde Pen Industry Co., Ltd., Zhejiang Lianxingwen Educational Supplies Co., Ltd., Tianjin Modern Vocational Technical College, Zhejiang Yingdai Stationery Co., Ltd., Guangzhou Inspection, Testing and Certification Group Co., Ltd., and six Anshi Longhui Stationery and Educational Supplies Co., Ltd. The main drafters of this document are. Yao Hezhong, Xu Shenghua, Li Kehui, Dong Wenbin, Gao Guoping, Zhou Qiuteng, Zhang Jishou, Chen Jingqiang, and Wu Yingji. Chen Ge and Long Zhijun.

Consumer Product Quality Grading Guidelines - Pen Products

1 Scope

GB/T 46535-2025 is the Chinese national standard covering grading pens for the buyer - the writing length and the line consistency, the ink flow and the skipping, the cap and clip strength, the leakage under pressure and temperature, and the safety of the parts a child might swallow. First edition, under the China National Light Industry Council. In force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026.

This document provides classification information for pen products, specifies the requirements for quality grading, grading rules, and markings for pen products, and describes... The corresponding experimental methods were developed. This document applies to the quality grading of pen products.

2 Determination of basis weight

GB/T 451.3 Determination of thickness of paper and paperboard

GB/T 456 Determination of smoothness of paper and paperboard (Beck method)

GB/T 742 Determination of ash content (on-ignition residues) in papermaking raw materials, pulp, paper and paperboard (575°C and 900°C)

GB/T 1540 Determination of water absorbency of paper and paperboard - Koebner method

GB/T 22363 Determination of roughness of paper and paperboard (air leakage method) Bentsen method and printing surface method GB/T 26704-2022 Pencils

GB/T 26711 Micro-perforated pen tip fountain pen

GB/T 26714 Ink ballpoint pens and refills

GB/T 26717-2024 Fountain pens and their nibs

GB/T 32017 Water-based ink ballpoint pens and refills

GB/T 37853-2019 Neutral Ink Ballpoint Pens and Refills

GB/T 43550.1-2023 General Purpose Mechanical Pencils and Leads. Classification, Dimensions, Weight and Test Methods Part