

ICS 97.200.20

CCS Y58



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

GB/T 10159-2023

Replacing GB/T 10159-2015

Piano

钢琴

Issued on: December 28, 2023

Implemented on: July 1, 2024

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

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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: This document replaces GB/T 10159-2015 "Piano": Compared with GB/T 10159-2015, except for structural adjustments and editorial changes In addition, the main technical changes are as follows:

- Added specifications and material terms for main components (see 4:3 and 4:4);
- Changed the temperature range in the environmental conditions of use (see Chapter 5, Chapter 5 of the:2015 edition);
- Changed the requirements for "standard tone" (see 6:2:2, 6:3:2 of the:2015 version);
- Deleted the requirement of "harmony" (see 6:3:3 of the:2015 version);
- Changed the requirements for "sound quality" (see 6:2:3, 6:3:4 of the:2015 version);
- Changed the requirements for "volume" and its test methods (see 6:2:4, 7:5,:2015 version of 6:3:5, 8:6);
- Changed the requirements for "pitch stability" and its test methods (see 6:2:5, 7:6, 6:3:6, 8:7 of the:2015 version);
- Changed the requirements for "performance performance" and its test methods (see 6:3, 7:7, 7:8, 7:9, 7:10, 7:11, 7:12,:2015 edition 6:4, 8:8, 8:9, 8:10, 8:11, 8:12, 8:13);
- Changed the requirements for "surface coating" and its test methods (see 6:6:3, 7:16, 6:7:3, 8:17 of the:2015 edition);
- Changed the requirements and test methods for "shell warpage" (see 6:6:4, 7:17,:2015 version of 6:7:4, 8:18);
- Added the requirements and test methods for "key cover slow down device" (see 6:10, 7:24, Appendix C);
- Changed the requirements for "limits of hazardous substances" and their test methods (see 6:11, 7:25,:2015 version of 6:11, 8:25);

---Added the "string" clause (see 6:7:1);

1 Scope

GB/T 10159-2023 is the Chinese national standard on piano, in the field of domestic and commercial equipment, entertainment, sport. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 28 December 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2024. Classification: ICS 97.200.20, CCS Y58. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document:

GB/T 191 Packaging, storage and transportation pictorial mark

GB/T 3451-1982 Standard tuning frequency GB/T 3785:

GB/T 6388 Transportation packaging receipt and delivery marks

GB/T 6461-2002 Rating of specimens and specimens after corrosion testing of metal and other inorganic coatings on metal substrates

GB/T 8170-2008 Numerical rounding rules and representation and determination of limit values

GB/T 9286 Cross-hatch test for paints and varnishes

GB/T 9754-2007 Paints and varnishes, determination of specular gloss at 20°, 60° and 85° of paint films containing no metallic pigments

GB/T 10125 Artificial atmosphere corrosion test salt spray test

GB/T 23151 Principles for preparation of instructions for use of musical instrument products

GB 28489-2022 Limits of hazardous substances in musical instruments

GB/T 31109-2014 Method for evaluating acoustic quality of musical instruments

GB/T 31731-2015 General technical specifications for recycling of discarded musical instruments
QB/T 3826 Corrosion resistance test method for metal coatings and chemically treated layers of light industrial products
Neutral salt spray test (NSS) method
QB/T 3832 Evaluation of corrosion test results of metal coatings on light industrial products
QB/T 4131-2010 Keyboard instrument key width size series
QB/T 4323-2012 Piano Strings

3 Terms and definitions

The following terms and definitions apply to this document:

3:1 warping degree Used to describe the degree of curvature of the product or component plane in space: