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

GB/T 28489-2012

Replacing GB/T 28489-2012

**Limits of hazardous substances for musical instruments
(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 GB/T 28489-2012 "Limits of Hazardous Substances in Musical Instruments". Compared with GB/T 28489-2012, except for structural adjustment and Apart from editorial changes, the main technical changes are as follows.

- Changed the terms and definitions (see Chapter 3, Chapter 3 of the 2012 edition);
- Changed the expression of the limit of phthalates and the description of the test method (see 5.1, 6.1, 5.1, 6.2 of the 2012 edition);
- Increased the requirements for the limit of polycyclic aromatic hydrocarbons and the description of the test method (see 5.2, 6.2);
- Changed the expression of the limit of migratable elements and the description of the test method (see 5.3, 6.3, 5.2, 6.3 of the 2012 edition);
- Changed the expression of benzene series, total volatile organic compounds and formaldehyde limits and the description of the test method (see 5.4, 6.4, Appendix C, Appendix D, 5.3, 6.4 of the 2012 edition);
- Increased the description of the requirements and test methods for aromatic amine dyes, tetrachlorophenol (TeCP), and pentachlorophenol (PCP) limits (see 5.5, 6.5.1, 6.5.2);
- Changed the expression of the limit of restricted substances and the description of the test method for electronic musical instruments and electronic components in musical instruments (see 5.6, 6.6, 5.4, 6.5 of the 2012 edition);
- Changed the inspection rules (see Chapter 7, Chapter 7 of the 2012 edition);
- Added the implementation of the standard (see Chapter 8);
- Deleted the packaging logo (see Chapter 8 of the 2012 edition);

--- Deleted the requirements for the test cabin (see Appendix A of the 2012 edition).

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

1 Scope

This document defines the terms, definitions and classifications related to musical instruments, musical instrument accessories and musical instrument packaging placed indoors, and specifies the the implementation of requirements, inspection rules and standards for the limit of harmful substances to human body in musical instruments, musical instrument accessories and indoor musical instrument packaging, describes the corresponding test method.

This document applies to musical instruments, musical instrument accessories and musical instrument packaging placed indoors.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references for documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

Preparation of GB/T 601 Chemical Reagent Standard Titration Solution GB 6566-2010
Limits of radionuclides in building materials GB 6675.4-2014 Toy Safety Part 4: Migration of Specific Elements GB/T 17592 Determination of banned azo dyes in textiles GB/T 18414 (all parts) Determination of chlorophenols in textiles GB/T 19942 Determination of prohibited azo dyes in chemical tests of leather and fur GB/T 22048 Determination of Specific Phthalate Plasticizers in Toys and Children's Products GB/T 22808 Determination of Chlorophenol Content in Chemical Tests of Leather and Fur GB/T 23344 Determination of 4-aminoazobenzene in textiles GB/T 26125 Determination of six restricted substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers) in electrical and electronic products GB/T 26572-2011 Limit requirements for restricted substances in electrical and electronic products GB/T 31107-2014 General technical requirements for climate chambers for the detection of volatile organic compounds in furniture GB/T 40968 Test method for polycyclic aromatic hydrocarbons in musical instruments GB 50325-2020 Indoor Environmental Pollution Control Standards for Civil Construction Engineering LY/T 1985 Determination method of pentachlorophenol content in preservative wood and wood-based panels

3 Terms and Definitions

The following terms and definitions apply to this document.

Under normal use, objects placed indoors for protection, decoration, and supporting use with musical instruments.

Note: Contains instrument case, instrument box, instrument bag, instrument bag, etc.

Parts or products that come into direct contact with the player's mouth.