

ICS 81.040.01
CCS N 64



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

GB/T 15724-2024

Replacing GB/T 15724-2008

Laboratory glasswarehBeakers

实验室玻璃仪器 烧杯

(English Translation)

Issued on: October 26, 2024

Implemented on: May 1, 2025

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and Definitions
4 Classification and specification series
5 Structure type and specifications
5.1 Low-profile beaker
5.2 Tall Beaker
5.3 Conical beaker
5.4 Structural Design
6 Technical Requirements
6.1 Materials
6.2 Physical and chemical properties
6.3 Appearance
7 Test Methods
7.1 Specifications and Dimensions
7.2 Physical and chemical properties
7.3 Materials
7.4 Appearance
8 Inspection Rules
8.1 Inspection Classification
8.2 Sampling plan
8.3 Batch Grouping Rules
8.4 Factory Inspection
8.5 Type Inspection
8.6 Judgment Rules
9 Marking, packaging, transportation and storage
9.1 Logo
9.2 Packaging
9.3 Transportation
9.4 Storage

Appendix A (Informative) Comparison table of structure numbers between this document and ISO 3819:2015

Appendix B (Informative) List of technical differences between this document and ISO 3819:2015 and their reasons

Appendix C (Informative) Laboratory Glassware-Capacity Graduation Table of Beakers

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 15724-2008 Laboratory Glassware Beakers. Compared with GB/T 15724-2008, except for the structure in addition to adjustments and editorial changes, the main technical changes are as follows.

The low-profile beakers now have 4 000 mL and 10 000 mL specifications (see Chapter 4);

Changed the beaker wall thickness requirements (see 5.4.3, 4.2.3 of the 2008 edition); -the physical and chemical performance requirements have been changed (see 6.2, 5.2 of the 2008 edition); -the appearance requirements have been changed (see 6.3, 5.3 of the 2008 edition); -Changed the marking requirements (see 9.1, 8.1 of the 2008 edition). -this document is modified to adopt ISO 3819:2015 "Laboratory glassware beakers".

Compared with ISO 3819:2015, this document has many structural adjustments.

See Appendix A.

This document has many technical differences compared to ISO 3819:2015.

A list of these technical differences and their reasons is given in Appendix B.

1 Scope

This document specifies the classification and specification series of beakers, structural types and specifications, technical requirements, inspection rules and marking, packaging, Transport and storage, describes the test methods.

This document applies to the production, packaging, transportation and storage of laboratory glassware beakers made of borosilicate glass.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For undated references, only the latest version (including all amendments) applies.

In this document.

GB/T 191 Pictorial symbols 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 4548 Test method and classification of water erosion resistance of inner surface of glass containers GB/T 4548.2 Glass products - Determination and classification of the water corrosion resistance of the inner surface of glass containers by flame spectrometry GB/T 6543 Single and double corrugated cartons for transport packaging GB/T 6579 Test method for thermal shock and thermal shock strength of laboratory glassware GB/T 6580 Test method and classification of glass resistance to corrosion by boiling mixed alkali aqueous solution GB/T 6581 Flame emission or atomic absorption spectrometric method for determination of resistance of glass to hydrochloric acid at 100°C GB/T 6582 Glass - Test method and classification for water resistance of glass particles at 98°C GB/T 15726 Test method for internal stress in glassware GB/T 15728 Gravimetric test method and classification of glass resistance to corrosion by boiling hydrochloric acid GB/T 16920 Determination of mean linear thermal expansion coefficient of glass GB/T 28194 Determination of the bilinear normal thermal expansion coefficient of glass GB/T 28209 Chemical analysis methods for borosilicate glass GB/T 34843 3.3 Properties of borosilicate glass GB/T 42222 Glass instruments - Test method and classification for optical uniformity

3 Terms and Definitions

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

4 Categories and Specification Series

The classification and specification series of beakers are shown in Table 1.