

ICS 81.040.01

CCS N 64



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

GB/T 15723-2024

Replacing GB/T 15723-1995

Laboratory glassware - Desiccators
(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 Product Categories	
4.1 Product Types	
4.2 Specification Series	
5 Structure type and specifications	
5.1 Ordinary dryer	
5.2 Vacuum Dryer	
6 Technical Requirements	
6.1 Materials	
6.2 Physical and chemical properties	
6.3 Appearance	
6.4 Body Requirements	
6.5 Frosted surface width	
6.6 Cover and base fitting tolerance	
7 Test methods	
7.1 Appearance, shape requirements, frosted surface width, cover and bottom fitting tolerance and specifications	
7.2 Materials	
7.3 Water resistance of glass at 98°C	
7.4 Internal stress	
7.5 Pressure resistance	
7.6 Frosted Adhesion	
7.7 Optical Homogeneity	
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 13130:2011

Appendix B (Informative) List of technical differences between this document and ISO 13130:2011 and their causes

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 15723-1995 Laboratory Glassware Desiccant.

In addition to structural adjustments and editorial changes, the main technical changes are as follows.

Changed the scope (see Chapter 1 of the 1995 edition);-Added terms and definitions (see Chapter 3);-Added the common dryer specifications of 400 mm and 450 mm (see 4.2);

Added vacuum dryer specifications of 300 mm, 350 mm, and 400 mm (see 4.2);

Changed the structure type and specifications (see Chapter 5, Appendix A of the 1995 edition); -the requirements for frosted adhesion have been changed (see 6.2.4, 4.2.4 of the 1995 edition); -the appearance requirements have been changed (see 6.3, 4.3 of the 1995 edition); -Added optical uniformity requirements (see 6.2.5);-the shape requirements have been changed (see 6.4, 4.4 of the 1995 edition); -the width of the ground surface and the maximum fit tolerance of the ground surface have been changed (see 6.5, 4.5 of the 1995 edition); -Appendix A has been deleted (see Appendix A of the 1995 edition). -this document is modified to adopt ISO 13130:2011 "Laboratory glassware dryers".

Compared with ISO 13130:2011, this document has many structural adjustments. The structural number comparison table between the two documents is shown in Appendix A.

This document has many technical differences compared to ISO 13130:2011.

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

1 Scope

This document specifies the product classification, structural type and specifications, technical requirements, inspection rules and standards of laboratory glassware dryers.

labeling, packaging, transportation and storage, and describes the test methods.

This document applies to the production, marking, packaging, transportation and storage of ordinary dryers and vacuum dryers.

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 6543 Single and double corrugated cartons for transport packaging 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 28209 Chemical analysis methods for borosilicate glass GB/T 42222 Test method and classification of optical uniformity of glass instruments

3 Terms and Definitions

The following terms and definitions apply to this document.

Vacuum desiccator

A desiccator for storing items under vacuum.

fold glass

The layer formed by the temperature difference between the two glass pickings.

4.1 Product Types

According to different uses, it is divided into ordinary dryers (including brown) and vacuum dryers (including brown).

4.2 Specification series

4.2.1

Ordinary dryers can be divided into the following types according to the inner diameter of the dryer. 100 mm, 120 mm, 150 mm, 180 mm, 210 mm, 240 mm, 300 mm, 350 mm, 400 mm, 450 mm.

4.2.2

Vacuum dryers can be divided into the following types according to the inner diameter of the body. 100 mm, 120 mm, 150 mm, 180 mm, 210 mm, 240 mm, 300 mm, 350 mm, 400 mm.