

CCS N 64



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

**GB/T 40236-2021**

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**Borosilicate glass tubing**

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18.0 +/-0.5 2.5 +/-0.2

25.0 +/-0.5 2.5 +/-0.2

32.0 +/-0.8 3.3 +/-0.3

45.0 +/-1.0 3.5 +/-0.3

58.0 +/-1.0 4.0 +/-0.3

### 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 of Standardization Documents"

Drafting.

This document uses the redrafting method to modify and adopt ISO 4803.1978 "Borosilicate Glass Tube for Laboratory Glassware".

Compared with ISO 4803.1978, this document has many adjustments in structure. Appendix A gives the chapters of this document and ISO 4803.1978.

Article number comparison list. Compared with ISO 4803.1978, there are technical differences between this document and the corresponding technical differences and

A list of the reasons.

This document has made the following editorial changes.

--- Modify the file name to "Borosilicate Glass Pipeline".

### 1 Scope

This document specifies the specifications, dimensions and deviations, technical requirements, test methods, inspection rules, signs, packaging, transportation and storage of borosilicate glass pipes.

This document applies to all kinds of glass pipes made of borosilicate glass.

## 2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, the dated reference documents, only

The version corresponding to this date is applicable to this document; for undated references, the latest version (including all amendments) is applicable to this document.

GB/T 2828.1 Sampling inspection procedure by attributes Part 1. Batch inspection sampling plan retrieved by acceptance quality limit (AQL)

GB/T 6579 Test method for thermal shock and thermal shock strength of laboratory glassware

GB/T 6580 Test method and classification of corrosion resistance of glass with boiling mixed alkali aqueous solution

GB/T 6581 Glass is resistant to hydrochloric acid corrosion at 100 degrees C by flame emission or atomic absorption spectrometry method

GB/T 6582 Test method and classification of particles for water resistance of glass at 98 degrees C

GB/T 12416.2 Test method and classification of water resistance of glass particles at 121 degrees C

GB/T 14901 Glass density determination sink-float comparison method

GB/T 15726 Internal stress test method for glass instruments

GB/T 16920 Determination of average linear thermal expansion coefficient of glass

GB/T 28194 Determination of Thermal Expansion Coefficient of Glass Double Line Normal

GB/T 29159 Glass tube for all-glass vacuum solar collector tube

HG/T 2436 glass tube and pipe fittings pressure test method

## 3 Terms and definitions

There are no terms and definitions that need to be defined in this document.

## 4 Specifications and deviations

Specifications, dimensions and deviations should meet the requirements of Table 1. If the customer requires otherwise, the production can be carried out according to the customer's requirements.

Table 1 Specifications, dimensions and deviations in millimeters

Outer diameter wall thickness length

Basic size limit deviation Basic size limit deviation limit deviation

Roundness wall thickness skewness straightness/%

**58.0 +/-1.0 4.0 +/-0.3**

+/-20

<=0.5

<=0.5

<=0.8

<=1.0

<=1.0

<=0.3

<=0.5

<=0.3