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

GB/T 37851-2019

Glass containers - Standard tolerances for flaconnage

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafting method to modify the ISO 12818.2013 "standard tolerance for glass packaging small mouth bottles".

This standard has been structurally adjusted compared to ISO 12818.2013, and the scope and product group bottles have been combined and deleted.

Chapter 2 of the ISO 12818.2013 "Product Group Bottles and Other Glass Containers".

The technical differences between this standard and ISO 12818.2013 are as follows.

--- Range chapter removes the type of glass bottle that is not applicable in this standard.

This standard has made the following editorial changes.

--- Modified the standard name;

--- Added a description of the symbols in the formula;

--- Modified the note in Figure 3.

This standard was proposed by the China Light Industry Association.

This standard is under the jurisdiction of the National Daily Glass Standardization Technical Committee (SAC/TC377).

This standard was drafted. Donghua University, National Eyeglass Glass Enamel Product Quality Supervision and Inspection Center, Shanghai Glasses Glass Enamel Products

Quality supervision and inspection station, National Daily Glass Enamel Standardization Center.

1 Scope

This standard specifies the tolerances of small-mouth glass bottles. The tolerance items involved are full-mouth capacity, bottle height, bottle diameter and width, and vertical axis deviation.

This standard applies to small mouth glass bottles containing drugs, cosmetics, inks, glues, etc.

2 full mouth capacity tolerance

The full capacity capacity tolerance is shown in Table 1.

Table 1 The tolerance of the full mouth capacity is in milliliters

Full mouth capacity C

Tolerance TC

Full mouth capacity C

Tolerance TC

Full mouth capacity C

Tolerance TC

> <= circular non-circular a > <= circular non-circular a > <= circular non-circular a

1 3 0.6 0.7 110 116 2.6 3.1 239 246 4.6 5.5

3 8 0.7 0.8 116 122 2.7 3.2 246 253 4.7 5.6

8 13 0.8 1.0 122 128 2.8 3.4 253 260 4.8 5.8

13 18 0.9 1.1 128 134 2.9 3.5 260 267 4.9 5.9

18 24 1.0 1.2 134 140 3.0 3.6 267 274 5.0 6.0

24 30 1.1 1.3 140 146 3.1 3.7 274 282 5.1 6.1

30 36 1.2 1.4 146 152 3.2 3.8 282 289 5.2 6.2

36 41 1.3 1.6 152 158 3.3 4.0 289 297 5.3 6.4

41 47 1.4 1.7 158 164 3.4 4.1 297 305 5.4 6.5

47 52 1.5 1.8 164 171 3.5 4.2 305 313 5.5 6.6

52 57 1.6 1.9 171 178 3.6 4.3 313 321 5.6 6.7

57 63 1.7 2.0 178 185 3.7 4.4 321 329 5.7 6.8

63 69 1.8 2.2 185 191 3.8 4.5 329 337 5.8 7.0

69 75 1.9 2.3 191 198 3.9 4.7 337 345 5.9 7.1

75 81 2.0 2.4 198 205 4.0 4.8 345 354 6.0 7.2

81 86 2.1 2.5 205 211 4.1 4.9 354 362 6.1 7.3

86 92 2.2 2.6 211 218 4.2 5.0 362 370 6.2 7.4

92 98 2.3 2.8 218 225 4.3 5.2 370 379 6.3 7.6

98 104 2.4 2.9 225 232 4.4 5.3 379 388 6.4 7.7

104 110 2.5 3.0 232 239 4.5 5.4 388 397 6.5 7.8

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