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

GB/T 29335-2024

Replacing GB/T 29335-2012

**General quality requirements for twist-off caps of food
containers**

食品容器用爪式旋开盖质量通则

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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 specifies the technical requirements related to quality: For food safety requirements, please refer to relevant laws, regulations, policies and food safety standards: document:

This document replaces GB/T 29335-2012 "Claw-type twist-off caps": Compared with GB/T 29335-2012, except for structural adjustments and editorial In addition to the modifications, the main technical changes are as follows:

- Deleted 3:1~3:6 in "Terms and Definitions" (see Chapter 3 of the:2012 edition);
- Added the "anti-slip teeth conventional claw type twist-off cap" and other twist-off cap models (see 4:2 Table 1);
- Changed the product classification (see 4:3, 4:3 of the:2012 edition);
- Changed the requirements for tin-plated or chrome-plated steel sheets and sealing gaskets in "Raw and auxiliary materials" (see 5:1, 5:1 of the:2012 edition);
- Deleted the requirements for interior and exterior coatings in "Raw and auxiliary materials" (see 5:1 of the:2012 edition);
- Added requirements for tin-plated or chrome-plated steel sheets in "raw and auxiliary materials" (see 5:1:2);
- Added requirements for coated iron in "raw and auxiliary materials" (see 5:1:3);
- Deleted the content related to "food hygiene and safety" (see 5:1:5 of the:2012 edition);
- Changed the cover type and specifications of products 53 and 58 (see 5:2, 5:2 of the:2012 edition);
- Added "salt resistance" and test methods (see 5:5:5 and 6:5:5);
- Changed the "Bactericidal resistance test method" (see 6:4:1, 6:4:1 of the:2012 edition);

- Changed the "Corrosion resistance test" method (see 6:4:2, 6:4:2 of the:2012 edition);
- Changed the situations where type inspection should be carried out (see 7:3:1, 7:3:1 of the:2012 edition):

Please note that some of the contents of this document may involve patents: The issuing organization of this document does not assume the responsibility for identifying patents:

This document is proposed and coordinated by the National Food Industry Standardization Technical Committee (SAC/TC64):

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The previous versions of this document and the documents it replaces are as follows:

- First published in:2012 as GB/T 29335-2012;
- This is the first revision:

1 Scope

This document specifies the product classification, product specifications, requirements, test methods, inspection rules, marking, packaging, etc: of claw-type twist-off closures for food containers:

Packing, transportation and storage:

This document applies to claw-type twist-off closures made of tin-plated or chrome-plated thin steel sheets or coated iron for sealing bottled food packaging:

2 Normative references

GB/T 2520
GB/T 2828
GB/T 6682
GB/T 24180
GB/T 41711
GB/T 41899

GB/T 43951

3 Terms and definitions

The following terms and definitions apply to this document: 3:1 Solid sealing gasket
solidsealinggasket The glue made of polyvinyl chloride resin and other auxiliary materials is injected, baked and plasticized to form a solid seal bonded to the inner wall of the bottle cap:

The gasket may be a solid sealing gasket which is bonded to the inner wall of the bottle cap after being heated and molded by a thermoplastic elastomer: 3:2 The foamable glue made of polyvinyl chloride resin and other auxiliary materials is made into a kind of adhesive bonded to the inner wall of the bottle cap through injection, baking and plasticization:

A sealing gasket with micro pores, or a sealing gasket with micro pores which is bonded to the inner wall of a bottle cap after being heated and molded by a thermoplastic elastomer:

4 Product specifications, models and categories

4:1 Product Specifications Product specifications include nominal diameters of 30mm, 38mm, 43mm, 48mm, 53mm, 58mm, 63mm, 66mm, Claw-type twist-off caps for 70mm, 77mm, 82mm and 100mm: