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

GB/T 29601-2025

Replacing GB/T 29601-2013

Stainless steel ware

不锈钢器皿

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 29601-2013 "Stainless Steel Utensils". Compared with GB/T 29601-2013, the main differences are structural adjustments and editorial changes. Aside from the modifications, the main technical changes are as follows:

- a) The standard scope has been changed (see Chapter 1, Chapter 1 of the.2013 edition);
- b) The term and definition of "multi-layered vessel" have been added (see 3.8);
- c) The "Product Categories" have been changed (see Chapter 4, Chapter 4 of the.2013 edition);
- d) The hygiene requirements have been removed (see 5.1.1 in the.2013 version);
- e) The requirements for "appearance" and "corrosion resistance" in the general requirements have been changed (see 5.1.1, 5.1.4, and 5.1.4 in the.2013 edition);
- f) Added requirements for "dimensional dimensions", "welding quality", "thermal insulation", "stability", and "hot water resistance of sealing rubber parts" to the general requirements. (See 5.1.2, 5.1.7, 5.1.8, 5.1.9, 5.1.10) and test methods (see 6.2.2, 6.2.7, 6.2.8, 6.2.9, 6.2.10);
- g) The requirements for "handle fatigue strength" and "handle (including lid lug)

temperature rise" for pots and pans have been revised (see 5.2.2.3, 5.2.2.4, 2013 edition). 5.2.3.3, 5.2.3.4); The test method for the "handle structure" of pots and pans has been modified, limiting the selection of the location of the fastening screws (see 6.3.2.2, (2003 version 6.2.8.1)

h) Added requirements for pots and pans regarding "handle impact resistance", "number of handles", "composite steel thermal shock resistance", "placement stability", and "heat uniformity". (See 5.2.2.7, 5.2.2.10, 5.2.4, 5.2.5, 5.2.6) and test methods (see 6.3.2.7, 6.3.2.10, 6.3.4, 6.3.5, 6.3.6);

i) The requirement and test method for "handle perpendicularity" for cups have been removed (see 6.2.10.1 in the 2013 edition);

1 Scope

GB/T 29601-2025 is the Chinese national standard covering stainless steel kitchenware - the grades allowed for food contact and the migration of chromium, nickel and manganese from them, the wall thickness and the finish, the handle attachment and its heat, and the marking that tells the buyer which grade he is holding. The migration limits are the point: cheap high-manganese grades sold as stainless are a recurring problem. Issued on 5 October 2025, it takes effect on 1 November 2026, replacing GB/T 29601-2013.

This document provides a product classification for stainless steel cookware (hereinafter referred to as "cookware"), and specifies the technical requirements, inspection rules, marking, labeling, and usage. The corresponding test methods are described with requirements for instructions, packaging, transportation, and storage. This document applies to the production, inspection, and handling of containers whose main body is made of stainless steel or stainless steel composite materials and which come into contact with food. Sale. This document does not apply to vacuum-insulated containers.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 191 Pictorial Symbols for Packaging and Storage

GB/T 2828.1 Sampling Procedures for Inspection by Attributes - Part

1. Sampling Schemes Retrieved by Acceptable Quality Limit (AQL) for Lot-by-Lot Inspection

GB/T 2829-2002 Periodic inspection sampling procedures and tables (applicable to the inspection of process stability)

GB/T 6388 Transport Packaging Receipt and Delivery Marks

GB/T 6543 Single-wall and double-wall corrugated cardboard boxes for transport packaging

GB/T 6544 Corrugated Cardboard

GB/T 10125-2021 Corrosion Test in Artificial Atmospheres - Salt Spray Test

GB/T 42762-2023 General Technical Requirements for Cups and Pots QB/T 3832
Evaluation of Corrosion Test Results of Metal Coatings on Light Industrial Products QB/T
4092-2010 Icing

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Containers made of stainless steel or stainless steel composite materials, used for holding food, water, beverages, and other items that come into contact with food.

3.2 body The stainless steel part of a vessel used to hold food, water, beverages, or other contents.

3.3 inner diameter (3.2) Radial length of the inner edge of the mouth of the vessel body.