

ICS 77.150.10

CCS H61



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

GB/T 22649-2019

Replacing GB/T 22649-2008

Aluminium and aluminium alloys foil for container

铝及铝合金容器箔

Issued on: June 4, 2019

Implemented on: May 1, 2020

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Calculation of Color Difference
- 3.1 Product Classification
- 3.1.1 Brand, status and size specifications
- 10 Determination of coating surface density

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 22649-2008 "Aluminum and Aluminum Alloy Foil for Semi-rigid Containers". This standard is consistent with GB/T 22649-2008 Compared with the editorial changes, the main technical changes are as follows:

---Deleted the normative reference documents GB/T 228, GB 4805, GB/T 8013.3, GB 15193.1 (see Chapter 2 of the.2008 edition);

--- Added normative reference documents GB/T 3198-2010, GB 4806.10, GB/T 8170, GB/T 22638.2, GB/T 22638.10, GB 31604.8 (see Chapter 2);

---Modified the requirements of the base material grade, state and size specifications (see 3.1.1.1,

3.1.1 of the.2008 edition);

---Modified the requirements for the grade, state, size specifications and coating surface density of the coated foil, and deleted the requirements for the coating color (see 3.1.1.2,

3.1.1 of the.2008 edition);

---Added the content of "Quality Assurance" (see 3.2);

---Added the limits of cadmium, lead, mercury and hexavalent chromium in chemical composition (see 3.3.2);

---The thickness of the substrate has been revised and divided into "local thickness" and "average thickness" (see

3.4.1.1 and 3.4.1.2,.2008 edition 3.3.1);

---Modified the provisions of the width of the container foil (see 3.4.2,

3.3.2 of the.2008 edition);

---Modified the regulations on the mechanical properties of container foil (see 3.5,

1 Scope

GB/T 22649-2019 is the Chinese national standard on aluminium and aluminium alloys foil for container, in the field of metallurgy. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 4 June 2019 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2020.

Classification: ICS 77.150.10, CCS H61. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies requirements, test methods, inspection rules, markings, packaging, transportation, storage and quality certificates for aluminum and aluminum alloy container foils And the content of the purchase order (or contract). This standard applies to aluminum and aluminum alloy container foils (hereinafter referred to as "container foils"), including aluminum foils for containers with untreated surfaces (hereinafter referred to as "Substrate") and roll-coated aluminum foil for containers (hereinafter referred to as "coated foil").

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 3190 Chemical composition of wrought aluminum and aluminum alloy

GB/T 3198-2010 Aluminum and aluminum alloy foil

GB/T 3199 Packaging, marking, transportation and storage of aluminum and aluminum alloy processed products

GB 4806.10 National Food Safety Standard Food Contact Paints and Coatings

GB/T 6739 Paint and varnish pencil method for determination of paint film hardness

GB/T 7999 Aluminium and aluminum alloy photoelectric direct-reading emission spectrum analysis method

GB/T 8170 Numerical rounding rules and the expression and determination of limit values

GB/T 9286 Cross-cut test of paint and varnish film

GB/T 9753 Paint and varnish cupping test

GB/T 9761 Visual color comparison of paints and varnishes

GB/T 11186.2 Method for measuring the color of coating films Part

3 Calculation of Color Difference

GB/T 16865 Specimen and methods for tensile test of deformed aluminum, magnesium and alloy processed products

GB/T 17432 Sampling method for chemical composition analysis of wrought aluminum and aluminum alloy

GB/T 20975 (all parts) Aluminum and aluminum alloy chemical analysis methods

GB/T 22638.1 Aluminum foil test method Part

3.1.1 Brand, status and size specifications

3.1.1.1 Substrate The grade, state, and size specifications of the substrate should meet the requirements of Table

1. When the buyer has special requirements, the supplier and the buyer shall negotiate and determine

10 Determination of coating surface density

GB 31604.8 National Food Safety Standard Determination of Total Migration of Food Contact Materials and Products