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

GB 46518-2025

Technical specification for bulk transportation of liquid food

液态食品散装运输技术规范

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Foreword

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

1. Structure and Drafting Rules of Standardization Documents" Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the State Administration for Market Regulation. Technical Specifications for Bulk Transportation of Liquid Food

1 Scope

GB 46518-2025 is the Chinese national standard on technical specification for bulk transportation of liquid food, in the field of food technology. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 5 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 February 2026. Classification: ICS 67.040, CCS X08. 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 document defines the terminology and definitions for liquid food and bulk transportation, stipulates management systems, personnel and training, and basic requirements for transport containers. The requirements include the cleaning, maintenance, and management of transport containers, bulk transport operations, etc., and describe the methods for verifying records. This document applies to the bulk transport of liquid food products. This document does not apply to the bulk transportation of edible vegetable oils and raw milk, nor to the bulk transportation of liquid foods within the premises of food production enterprises.

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 4806.1 National Food Safety Standard - General Safety Requirements for Food Contact Materials and Articles

GB 5749 Standards for Drinking Water Quality

GB 9685 National Food Safety Standard - Standard for the Use of Additives in Food Contact Materials and Articles

GB 14930.1 National Food Safety Standard for Detergents

GB 14930.2 National Food Safety Standard Disinfectant

GB 14934 National Food Safety Standard for Disinfected Tableware

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Liquid food food Food that remains in a liquid state during transportation.

Note. Liquid foods include foods in a liquid state containing particles or pastes, and include liquid food additives.

3.2 Bulk transport transportation This refers to the method of transporting food in bulk, without packaging, directly loaded into transport containers.

Note. Unpackaged forms include transportation using non-prepackaged single-use containers.

4. Abbreviations The following abbreviations apply to this document. CIP. In-situ cleaning system in place)

5 Management System

5.1 All shippers, carriers, and consignees engaged in the bulk transportation of liquid food shall establish a food safety management system for transportation.