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

GB/T 46928-2025

**Animal and vegetable fats and oils - Determination of
monoacylglycerols, diacylglycerols, triacylglycerols and glycerol -
High-performance size-exclusion chromatography (HPSEC)**

动植物油脂 甘油一酯、甘油二酯、甘油三酯和甘油的测定 高效体积排阻色谱法
(HPSEC)

(English Translation)

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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".

This document adopts ISO 18395:2005, "High-performance size exclusion chromatography (HPSEC) for the determination of monoglycerides and glycerols in animal and vegetable oils". Diglycerides, triglycerides, and glycerol.

The following minimal editorial changes have been made to this document.

---To harmonize with existing standards, the standard name has been changed to "Determination of Monoglycerides, Diglycerides, Triglycerides and Glycerol in Animal and Vegetable Oils". High performance size exclusion chromatography (HPSEC) for fixed volume.

1 Scope

This document describes the determination of monoglycerides, diglycerides, triglycerides, and glycerol in animal and vegetable oils using high performance size exclusion chromatography (HPLC). method.

This document applies to animal and vegetable oils whose main components are monoglycerides and diglycerides, with a content >10% and triglycerides 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. ple)

Note: GB/T 15687-2008 Preparation of animal and vegetable oil samples (ISO 661:2003, IDT)

3 Terms and Definitions

The following terms and definitions apply to this document.

5 Reagents and Materials

5.1

Tetrahydrofuran (THF), stabilized with 250 µL/L butylated hydroxytoluene (BHT).