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

GB/T 22030-2025

Replacing GB 22030-2017

Blendstocks of ethanol gasoline for motor vehicles

车用乙醇汽油调合组分油

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1 Scope

GB/T 22030-2025 is the Chinese national standard on blendstocks of ethanol gasoline for motor vehicles, in the field of petroleum and related technologies. 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 30 June 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2026. Classification: ICS 75.160.20, CCS E31. 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 specifies the product classification, technical requirements, test methods, sampling, labeling, packaging, transportation, storage, and safety of blendstocks of ethanol gasoline for motor vehicles. This document applies to blendstocks composed of liquid hydrocarbons derived from petroleum or liquid hydrocarbons derived from petroleum and performance-improving additives, used for blending ethanol gasoline for motor vehicles.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB 190 Packing symbol of dangerous goods

GB/T 259 Petroleum products - Determination of water soluble acids and alkalis

GB/T 260 Test method for water in petroleum products - Distillation method

GB/T 503 Determination of the gasoline octane number - Test method for motor octane number

GB/T 511 Petroleum, petroleum products and additives - Method for determination of mechanical admixtures

GB/T 1884 Crude petroleum and liquid petroleum products - Laboratory determination of density - Hydrometer method

GB/T 1885 Petroleum measurement tables

GB/T 4016 Terminology relating to petroleum products SH/T 0693 Standard test method for determination of benzene, toluene, ethylbenzene, p/m-xylene, o-xylene, C9 and heavier aromatics, and total aromatics in finished gasoline by gas chromatography SH/T 0712 Standard test method for iron in gasoline by atomic absorption spectroscopy SH/T 0713 Test method for determination of benzene and toluene in gasoline - Gas chromatography SH/T 0720 Standard test method for determination of oxygenates in gasoline by gas chromatography and oxygen selective flame ionization detection SH/T 0794 Standard test method for vapor pressure of petroleum products (mini method) SH/T 1757 Aromatic hydrocarbons for industrial use - Determination of organic chloride - Microcoulometric method T/CSPCI 00001 Test method for separation and determination of aniline compounds in gasoline - Solid-phase extraction/gas chromatography and mass spectrometry

3 Terms and definitions

For the purpose of this document, the terms and definitions defined in GB/T 4016 and the following apply.

3.1 antiknock index Half the sum of the research octane number (RON) and the motor octane number (MON). [Source: GB/T 4016-2019, 2.15.025]

3.2 ethanol gasoline for motor vehicles A fuel blended from a base gasoline blendstock with 10 % by volume of denatured fuel ethanol for use in spark-ignition engines of motor vehicles.

3.3 blendstocks of ethanol gasoline for motor vehicles Base gasoline blendstocks used in blending ethanol gasoline for motor vehicles.

4 Product classification

Blendstocks of ethanol gasoline for motor vehicles are classified into four designations, i.e. No. 89, No. 92, No. 95, and No. 98, based on the research octane number of ethanol gasoline for motor vehicles. NOTE. The technical requirements for No. 98 blendstocks of

ethanol gasoline for motor vehicles are listed in Annex A.

5 Technical requirements and test methods

5.1 The technical requirements and test methods for No. 89, No. 92, and No. 95 blendstocks of ethanol gasoline for motor vehicles (VI B) shall comply with the provisions of Table

1. The technical requirements and test methods for No. 98 blendstocks of ethanol gasoline for motor vehicles (VI B) shall comply with the provisions of Table A.1 in Annex A.