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CCS E30



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

GB/T 11132-2022

Replacing GB/T 11132-2008

**Test method for hydrocarbon types in liquid petroleum
products - Fluorescent indicator adsorption**

液体石油产品烃类的测定 荧光指示剂吸附法

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Standardization Administration of China**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules of Standardization Documents" drafted. This document replaces GB/T 11132-2008 "Fluorescent Indicator Adsorption Method for Determination of Hydrocarbons in Liquid Petroleum Products", and GB/T 11132- Compared with.2008, except for structural adjustment and editorial changes, the main technical changes are as follows:

--- Deleted the chapter "Meaning and Use" (see Chapter 5 of the.2008 edition);

--- Added an optional adsorption column pressure gas interface connection and schematic diagram (see

5.1.4 and Figure 2);

--- Delete the fixing method of the adsorption column at the end of the ruler (see 10.2 of the.2008 edition);

--- Change the determination of the pH value of silica gel to the footnote of the table (see Table 2, 7.1 of the.2008 edition);

--- Added calculation instructions for samples containing oxygenates (see 10.2);

--- Increased the content of the sample report containing oxygenated compounds (see 11.2);

--- Changed the applicable sample range in Table 3 and Table 4 on the precision (see Note in Table 3, Note 1 in Table 4,

1.4 of the.2008 edition);

--- Changed the applicable content range of hydrocarbons in Table 4 (see Table 4, Table 4 of the 2008 edition). Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents. This document is proposed and managed by the National Standardization Technical Committee of Petroleum Products and Lubricants (SAC/TC280). This document is drafted by: Fushun Petrochemical Research Institute, China Petroleum & Chemical Corporation. The main drafters of this document. Zhao Bin, Geng Chenchen, Gui Xinghua, Ling Fengxiang. The previous versions of this document and its superseded documents are as follows:

1 Scope

GB/T 11132-2022 is the Chinese national standard on test method for hydrocarbon types in liquid petroleum products - fluorescent indicator adsorption, 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 12 October 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 12 October 2022. Classification: ICS 75.080, CCS E30. 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.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 4756 Petroleum liquid manual sampling method

GB/T 5816 Determination of Surface Area of Catalysts and Adsorbents

GB/T 6003.1 Technical requirements and inspection of test sieves - Part

GB/T 6536-2010 Determination of Atmospheric Distillation Characteristics of Petroleum Products

GB/T 27867 Petroleum liquid pipeline automatic sampling method NB/SH/T 0663

Determination of alcohol and ether content in gasoline by gas chromatography SH/T 0720

Determination of Oxygenates in Gasoline (Gas Chromatography and Oxygen Selective Flame Ionization Detector)