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

GB/T 47410-2026

**Determination of the short-chain chlorinated paraffin content of
chlorinated paraffin products**

氯化石蜡产品中的短链氯化石蜡含量的测定

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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". 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 by the China Petroleum and Chemical Industry Federation. This document is under the jurisdiction of the National Technical Committee on Standardization of Rubber and Rubber Products (SAC/TC35). This document was drafted by: Shanxi Provincial Chemical Research Institute (Co., Ltd.), Zhejiang Zhenyang Development Co., Ltd., and Anhui Xingxin Materials Technology Co., Ltd. Joint-stock company, Danyang Auxiliary Chemical Plant Co., Ltd., China Petrochemical Corporation Jinling Petrochemical Co., Ltd., Shenzhen Yingbo Inspection Measurement Technology Co., Ltd., Huizhou Municipal Institute of Quality and Metrology Supervision and Testing, Guangdong Province, Shanghai Institute of Quality Supervision and Inspection Technology Co., Ltd., Inner Mongolia Guyihai Chemical Co., Ltd., Jiangxi Dongfang Julong Chemical Co., Ltd., Guangxi Shengya Technology Group Co., Ltd., and Uni-Trend (Jiangsu) Chemical Co., Ltd., Xinji Sanjin Chemical Co., Ltd. The main drafters of this document are. An Fang, Zhou Wenbin, Wang Xiruo, Li Yaping, Huang Aizhong, Li Feng, Lin Hong, Zhang Hui, Wang Li, Yao Shangqun, and Xing Bojun. Zhou Jianlong, Cao Yijian, Yang Zhesheng, Zhang Chunlin. Short-chain chlorinated paraffins in chlorinated paraffin products Content determination Important

Note. This document should be used by personnel with practical experience in formal laboratory work. This document does not specify all possible safety precautions. All issues. Users are responsible for taking appropriate safety and health measures and ensuring compliance with relevant national regulations.

1 Scope

GB/T 47410-2026 is the Chinese national standard covering short-chain chlorinated

paraffins as a contaminant of the medium and long-chain products - they are listed under the Stockholm Convention, and the question for a producer is how much of the banned fraction its permitted product contains. First edition, in force since 1 October 2026, with the textile and synthetic leather methods GB/T 47912-2026 and GB/T 47489-2026. It was issued on 31 March 2026 and takes effect on 1 October 2026, as a first edition. The document is under the responsibility of the China Petroleum and Chemical Industry Federation. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document describes the determination of C10-C13 short-chain chlorinated paraffins (SCCPs) in chlorinated paraffin products. Method A is gas chromatography. Method B is gas chromatography. (Method A is electron capture negative chemical ionization source mass spectrometry.) This document applies to the determination of short-chain chlorinated paraffins (SCCPs) in chlorinated paraffin products, wherein the detection limit for Method A is 100 mg/kg, the detection limit for method B is 0.10%.

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/T 6680 General Rules for Sampling of Liquid Chemical Products

GB/T 8170-2008 Rules for rounding off numerical values and the representation and determination of limiting values

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Straight-chain chlorinated hydrocarbons with a chain length of C10-C13, and a chlorine content exceeding 48% by weight, and their concentration in the mixture by weight. The value is greater than or equal to 1%.

4 Test Methods

4.1 General Provisions Unless otherwise specified, only reagents confirmed to be of analytical grade are used in the analysis. The methods of representing and rounding test data shall comply with the provisions of

4.3.3 in GB/T 8170-2008.

4.2 Determination of Short-Chain Chlorinated Paraffins (SCCPs) Content

4.2.1 Method A (Arbitration) Proceed as specified in Appendix A.

4.2.2 Method B Proceed as specified in Appendix B.

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