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

GB/T 48167-2026

**General rules for quantitative ^1H nuclear magnetic resonance
spectroscopy analysis by internal standard method**

定量核磁共振波谱氢谱内标法分析通则

(English Translation)

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

GB/T 48167-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 December 2026.

It is under the responsibility of the Ministry of Science and Technology.

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1 Scope

This document gives general rules for quantitative proton nuclear magnetic resonance spectroscopy analysis using the internal standard method. Quantitative NMR is used to determine the content or purity of substances, and it is applied in chemistry, pharmaceutical analysis, reference material production and quality control. The audience includes analytical laboratories, reference material producers, research institutes and quality managers who run NMR measurements.

It takes effect earlier than most documents of its batch, on 1 December 2026. The Ministry of Science and Technology is named as the responsible body. As a GB/T document it is recommended, and the word general in the title indicates that it sets out principles applicable across analyses and not a method for one specific substance. Laboratories seeking comparable quantitative results across instruments and operators can use it as a reference.