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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 34542.5-2026

Storage and transportation systems for gaseous hydrogen - Part 5: Technical requirements for hydrogen transportation system

氢气储存输送系统 第5部分：氢气输送系统技术要求

(English Translation)

Issued on: September 28, 2026 **Implemented on: April 1, 2027**

Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-34542-5-2026

Table of Contents

[Preview only]
1 Scope
2 Normative References
2.1 Terms
2.2 Symbols
3 Terms and Definitions

1 Foreword

GB/T 34542.5-2026 was issued by State Administration for Market Regulation; Standardization Administration of the PRC on 28 September 2026 and has been in force since 1 April 2027.

It is one of 4 parts of the GB/T 34542 series.

The GB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

GB/T 34542.5-2026 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 75,626 other GB/T standards.

Of the 47,415 GB/T standards that do carry an ICS number, 3,437 (7%) fall under ICS 77, in the field of metallurgy.

3 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of the PRC

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

GB/T 34542.1-2017 - Storage and transportation systems for gaseous hydrogen-Part 1:

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General requirements

GB/T 34542.2-2018 - Storage and transportation systems for gaseous hydrogen-Part 2: Test methods for evaluating metallic material compatibility in hydrogen atmosphere

GB/T 34542.3-2018 - Storage and transportation systems for gaseous hydrogen-Part 3: Test method for determination of the susceptibility of metallic materials to hydrogen gas embrittlement (HGE)

5 Classification and status

Prefix GB/T: recommended standard.

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