

ICS 13.030.50
CCS Z04

HG

**CHEMICAL INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

HG/T 6501-2026

**Technical specification for low concentration carbon dioxide
capture**

低浓度二氧化碳捕集技术规范

(English Translation)

Issued on: July 15, 2026

Implemented on: February 1, 2027

Issued by: Ministry of Industry and Information Technology

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Foreword

HG/T 6501-2026 is a recommended industry standard of the People's Republic of China in the Chemical Industry sector, approved and issued by the Ministry of Industry and Information Technology on 15 July 2026, with effect from 1 February 2027.

It is administered by the China Petroleum and Chemical Industry Federation.

Classification: ICS 13.030.50; CCS Z04.

1 Scope

HG/T 6501-2026 is a technical specification for the capture of carbon dioxide (CO₂) from low concentration sources. It belongs to the management standards of the chemical industry and addresses the technical side of carbon dioxide capture where the gas is present at low concentration. The English translation gives the complete text of the Chinese original, prepared under the China Petroleum and Chemical Industry Federation.

The specification is of use to operators and designers of carbon capture installations, engineering companies, plant owners who plan emission reduction projects, and bodies that review such projects. It has the /T suffix in its code, which makes it a voluntary industry standard. The Ministry of Industry and Information Technology approved it on 15 July 2026, and it takes effect on 1 February 2027. It is a new document and does not replace an earlier edition.