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JC

BUILDING MATERIALS INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JC/T 2964.1-2026

Technical specifications for carbon dioxide capture and purification of cement kiln exhaust gases - Part 1: chemical absorption

水泥窑烟气二氧化碳捕集纯化技术规范 第 1 部分：化学吸收

(English Translation)

Issued on: March 18, 2026 **Implemented on: September 1, 2026**

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Foreword

JC/T 2964.1-2026 is a recommended industry standard of the People's Republic of China in the Building Materials sector, approved and issued by the Ministry of Industry and Information Technology on 18 March 2026, with effect from 1 September 2026.

It is administered by the Comprehensive Technical Committee for Building Materials Industry Standardization.

Classification: ICS 13.020.40; CCS J88.

1 Scope

JC/T 2964.1-2026 is Part 1 of the technical specifications for carbon dioxide capture and purification from cement kiln exhaust gas and deals with chemical absorption. It specifies terms and definitions, basic requirements, process and equipment, safety and occupational health, performance testing, and operation and maintenance management. It applies to the construction and operation of projects with carbon dioxide capture and purification systems that use chemical absorption on cement kiln exhaust gas, referred to as carbon capture and purification systems.

The document is used by cement producers planning carbon capture, by engineering and design firms, by equipment suppliers, and by operators, safety staff and test personnel. Its code carries the letter T, so it is a voluntary (recommended) standard and not a mandatory one. It was issued by the Ministry of Industry and Information Technology on 18 March 2026 and takes effect on 1 September 2026. It does not replace an earlier edition. The English translation of the full text gives foreign technology providers and project developers direct access to the Chinese requirements.

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