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

GB/T 47096-2026

Green product assessment - Cement

绿色产品评价 水泥

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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 jointly proposed by the China Building Materials Federation and the National Green Product Evaluation Standardization General Group. This document is under the jurisdiction of the National Cement Standardization Technical Committee (SAC/TC184). This document was drafted by: Beijing Guojianlianxin Certification Center Co., Ltd., China Building Materials Federation, China National Institute of Standardization, and China Building Materials Academy Co., Ltd., China Resources Cement Technology R&D (Guangxi) Co., Ltd., Tianshan Cement Co., Ltd., Anhui Hai Screw Industry Technology Research Institute Co., Ltd., China Gezhouba Group Cement Co., Ltd., Guizhou Provincial Building Materials Product Quality Inspection and Testing Institute, Shaanxi North Yuanhua Chemical Group Co., Ltd., China Construction Third Engineering Bureau Group Co., Ltd., Changsha Highway and Bridge Construction Co., Ltd., Inner Mongolia Mengweike Technology Co., Ltd., China Communications Construction Second Highway Engineering Bureau Fourth Engineering Co., Ltd., Baoding Taihang Heyi Environmental Protection Technology Co., Ltd., Zhejiang Yaocheng Construction Co., Ltd., China National Testing & Inspection Holding Group Co., Ltd., Yunnan Green Intelligent Construction Research Institute Co., Ltd., and Fangyuan Certification Group Co., Ltd. Company, Ruite Certification & Testing Group Co., Ltd., Jiangsu Shanhe Cement Co., Ltd., Tiezhen Testing Technology Co., Ltd., China Railway 23rd Bureau Group No. Sanjiang Engineering Co., Ltd., Building Materials Industry Quality Certification Management Center. The main drafters of this document are. Yin Jingyu, Xu Bingsheng, Li Jinmei, Hu Zhiying, Cao Yuanhui, Zhu Yi, Liu Chen, Tao Congxi, Li Hejun, and Zhao Lei. Zhan Jiagan, Li Fei, Li Jie, Yang Pengfei, Sun Zhiqiang, Fan Yajun,

Luo Huipeng, Xu Feng, Zhou Yanli, Wu Sihai, Zhou Xiaobing, Chen Jing, Chen Debei, Zheng Yong, Song Hailong, Cao Yuan, Cao Jianming, Su Lei, Xi Rongzhang, Liu Yi, Liu Zhiyuan, Xia Feng, Zhang Quanlei, Wang Wei, Zhang Yonglin, Guan Weijie, Li Guangning, Chen Penghui Wang Hongtao. Green Product Evaluation Cement

1 Scope

GB/T 47096-2026 is the Chinese national standard covering cement assessed as a green product - the clinker factor, which is the single lever that matters, the alternative fuels and the waste-derived raw materials, the energy per tonne and the emissions, and the performance of the cement itself since a stronger cement means less of it. First edition, and it belongs with the cement carbon footprint standard GB/T 47635-2026 published this year. It was issued on 28 January 2026 and has been in force since 1 August 2026, as a first edition. The document is under the responsibility of the China Building Materials 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 specifies the evaluation requirements for green cement products and describes the evaluation methods. This document applies to the green product evaluation of silicate cement clinker and general silicate cement.

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 175 General Purpose Portland Cement

GB/T 213 Method for Determination of Calorific Value of Coal

GB/T 4131 Naming Principles and Terminology for Cement

GB 4915 Emission Standard of Air Pollutants for Cement Industry

GB 6566 Limits of Radionuclides in Building Materials

GB 8978 Integrated Wastewater Discharge Standard

GB 16780 Energy Consumption Limits per Unit Product of Cement

GB 17167 General Rules for the Configuration and Management of Energy Measuring Instruments in Energy-Using Units

GB/T 17671 Test method for strength of cement mortar (ISO method)

GB 18597 Standard for Pollution Control of Hazardous Waste Storage

GB 18599 Standard for Pollution Control of General Industrial Solid Waste Storage and Landfill

GB/T 18916.62 Water withdrawal quota, Part

GB/T 19001 Quality Management System Requirements

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