

ICS 71.020
CCS G 11



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

GB/T 45965-2025

**Technical guidelines for carbon emission reduction in sodium
carbonate (soda ash) industry**

碳酸钠（纯碱）行业碳减排技术指南

Issued on: August 1, 2025

Implemented on: February 1, 2026

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

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Petroleum and Chemical Industry Federation.

This document is under the jurisdiction of the National Technical Committee on Chemical Standardization (SAC/TC63).

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Sodium Carbonate (Soda Ash) Industry Carbon Emission Reduction Technical Guide

1 Scope

This document provides guidance on carbon emission reduction technologies for the sodium carbonate (soda ash) industry, including general principles, basic management, carbon emission reduction technologies, and soda ash unit production.

Statistical scope, calculation method and recommended value of carbon emissions of products, and carbon capture and storage.

This document provides guidance and suggestions for the implementation of carbon emission reduction technologies in sodium carbonate (soda ash) production enterprises.

2 Normative references

GB/T 210

GB 29140

GB/T 32151.10-2023

GB/T 35802

3 Terms and Definitions

GB 29140, GB/T 32151.10-2023, GB/T 35802, HG/T 5974, HG/T 5978 and the following terms and Definitions apply to this document.

3.1

The total amount of greenhouse gases emitted by soda ash production enterprises during the statistical reporting period.

Note. This value is equal to the sum of the net carbon dioxide emissions from fossil fuel combustion, production processes, purchased electricity and heat in each accounting unit during the production process.

3.2

The total amount of carbon dioxide emitted per unit of qualified products by soda ash production enterprises during the statistical reporting period.

3.3 Production activities that release carbon dioxide

Soda ash production enterprises shall adopt technically feasible, economically reasonable, environmentally and socially acceptable measures to reduce the release of soda ash into the environment during the manufacturing process.

3.4

A technology that can reduce the release of carbon dioxide into the environment during the soda ash production process.

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