

ICS 71.080.40

CCS G17



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

GB/T 19104-2021

Replacing GB/T 19104-2008

Peracetic acid solution

过氧乙酸溶液

Issued on: August 20, 2021

Implemented on: March 1, 2022

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

Table of Contents

- 1 Scope
- 2 Normative references
- 16 Organic Peroxides

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 of Standardization Documents" Drafting. This document replaces GB/T 19104-2008 "Peracetic acid solution", compared with GB/T 19104-2008, except for editorial changes. The main technical content changes are as follows:

- Modified the description of traits (see Chapter 4, Chapter 3 of the.2008 edition);
- Modify the basis of "classification", from classification by purpose and concentration to classification by purpose, from three types to two types (see Chapter 5,.2008 edition Chapter 1);
- The mass fraction of "peroxyacetic acid" is changed from "15% (Type I), 18% (Type II), 25% (Type III)" to "2%~25%", deleted "Ignition residue" indicators (see Table 1, Table 1 of the.2008 edition);
- Modified the test method of arsenic content (see 7.5, 5.6 of the.2008 edition);
- Added the "model" in the logo (see 9.1.1, 7.1 of the.2008 edition);
- Added "packaging" in line with the provisions of GB 27833 (see 9.2, 7.2 of the.2008 edition);
- Added "transportation" in line with the provisions of GB 28644.3 and GB 27833 (see 9.3, 7.3 of the.2008 edition);
- Added "storage" in line with the provisions of GB 15603, GB 28644.3 and GB 27833 (see 9.4,

1 Scope

GB/T 19104-2021 is the Chinese national standard on peracetic acid solution, in the field of chemical technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 20 August 2021 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 March 2022. Classification: ICS 71.080.40, CCS G17. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the requirements, test methods, inspection rules, marking, packaging, transportation and storage of peracetic acid solution. This document applies to peroxyacetic acid solutions produced by the reaction of hydrogen peroxide and acetic acid.

Note. This product is mainly used as a raw material for disinfectants, but also as a bleaching agent and organic synthesis. Molecular formula of peracetic acid. C_2H_4O

3 Structural formula of peracetic acid. H_3C-OH Relative molecular mass of peracetic acid. 76.05 (according to 2018 international relative atomic mass)

2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, dated quotations Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to This document.

GB 190 Dangerous Goods Packaging Mark

GB/T 191 Packaging, storage and transportation pictorial signs

GB/T 601 Preparation of Standard Titration Solution for Chemical Reagents

GB/T 602 Preparation of standard solutions for impurity determination of chemical reagents
Preparation of preparations and products used in

GB/T 603 chemical reagent test method

GB/T 610 General method for determination of arsenic in chemical reagents

GB/T 6678 General Rules for Sampling of Chemical Products

GB/T 6680 General Rules for Sampling of Liquid Chemical Products

GB/T 6682 Analytical laboratory water specifications and test methods

GB/T 8170 Numerical rounding rules and the expression and determination of limit values

GB/T 9728 General method for determination of sulfate in chemical reagents

GB/T 9735 General method for determination of heavy metals in chemical reagents

GB 12268 List of Dangerous Goods

chinastandards.org · PREVIEW