ICS 71.040.30
CCS G63



# NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# GB/T 15895-2021

Replacing GB/T 15895-1995

## Chemical reagent - 1,2-Dichloroethane

化学试剂 1,2-二氯乙烷

**Issued on: August 20, 2021** **Implemented on: March 1, 2022**

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

# Table of Contents





## 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 15895-1995 "Chemical Reagent 1,2-Dichloroethane", compared with GB/T 15895-1995, except for the structure In addition to adjustments and editorial changes, the main technical changes are as follows:

---Added the technical requirements and measurement methods of density (see Chapter 5, 6.4);

---The technical requirements and determination methods of the content have been changed, and the analytical pure technical requirements have been adjusted from ">=99.0%" to ">=99.5%"; chemically pure The technical requirements are adjusted from ">=98.5%" to ">=99.0%" (see Chapter 5, 6.2,

4.1 of the.1995 edition);

---The unit of acidity has been changed from "mmol/100g" to "mmol/g" (see Chapter 5,

3.4 in the.1995 edition);

---Changed the packaging and markings (see Chapter 8, Chapter 6 of the.1995 edition);

--- The boiling point requirement and measurement method have been deleted (see

4.3 in the.1995 edition). Please note that some of the contents of this document may involve patents. The issuing agency of this document is not responsible for identifying patents. This document was proposed by the China Petroleum and Chemical Industry Federation. This document is under the jurisdiction of the Chemical Reagent Subcommittee of the National Chemical Standardization Technical Committee (SAC/TC63/SC3). Drafting organizations of this document. Jiangsu Qiangsheng Functional Chemistry Co., Ltd., Beijing Chemical Reagent Research Institute Co., Ltd., National Chemical Reagent Quality Supervision and Inspection Center. The main drafters of this document. Gui Xianghong,

Zhou Yi, Ying Li, Han Baoying, Wang Yuhua, Zhao Jifei, Huo Jianzeng, Du Weiqiang. The previous versions of this document and the documents replaced are as follows:

---First published in.1995 as GB/T 15895-1995;

---This is the first revision. Chemical reagent 1,2-dichloroethane Warning. Some test procedures specified in this document may lead to dangerous situations, and the user is responsible for taking appropriate safety and health measures.

## 1 Scope

GB/T 15895-2021 is the Chinese national standard on chemical reagent - 1,2-dichloroethane, 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 71.040.30, CCS G63. 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 technical requirements, test and inspection rules, packaging and marking of the chemical reagent 1,2-dichloroethane. This document is applicable to the inspection of the chemical reagent 1,2-dichloroethane. Indicative formula. CH2ClCH2Cl Relative molecular mass. 98.95 (according to.2018 international relative atomic mass) CAS Number. 107-06-2

## 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/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 605 General method for color determination of chemical reagents

GB/T 606 General method for moisture determination of chemical reagents Karl Fischer

method

GB/T 611-2021 General method for density determination of chemical reagents

GB/T 6682 Analytical laboratory water specifications and test methods

GB/T 9722-2006 General Rules of Gas Chromatography for Chemical Reagents

GB/T 9729 General method for determination of chloride in chemical reagents

GB/T 9736-2008 General method for determination of acidity and alkalinity of chemical reagents

GB/T 9737 General Rules for the Determination of Easily Carbonized Substances in Chemical Reagents

GB/T 9740 General method for determination of evaporation residue of chemical reagents

GB 15258 Regulations for the preparation of chemical safety labels

## 3 Terms and definitions

There are no terms and definitions that need to be defined in this document.

## 4 Traits

This reagent is a colorless and transparent liquid, can be mixed with organic solvents such as alcohol, ether, chloroform, etc., slightly soluble in water, and flammable.