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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 16983-2021

Chemical reagent - Dichloromethane

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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 of Standardization Documents"

Drafting.

This document replaces GB/T 16983-1997 "Chemical Reagent Dichloromethane", compared with GB/T 16983-1997, except for structural adjustments

In addition to editorial changes, the main technical changes are as follows.

---Changed the unit of acidity from "mmol/100g" to "mmol/g" (see Chapter 5, Chapter 4 of the.1997 edition);

---The technical requirements for moisture have been changed, and the analytical purity has been adjusted from "<=0.05%" to "<=0.03%" (see Chapter 5, Chapter 4 of the.1997 edition

chapter);

---Change the content determination method (see 6.2, 5.1 of the.1997 edition);

---The vibrating liquid densitometer method with increased density (see 6.4.2);

---Changed the packaging and markings (see Chapter 8, Chapter 7 of the.1997 edition).

This document uses the redrafting method to refer to R57 in ISO 6353-3.1987 "Chemical Analysis Reagents Part 3.Specification Second Series"

The "dichloromethane" compilation is non-equivalent to the degree of consistency with ISO 6353-3.1987.

1 Scope

This document specifies the technical requirements, test and inspection rules, packaging and marking of the chemical reagent methylene chloride.

This document is applicable to the inspection of the chemical reagent dichloromethane.

Molecular formula. CH2Cl2

Relative molecular mass. 84.93 (according to.2018 international relative atomic mass)

CAS Number. 75-09-2

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 9723-2007 General Rules of Flame Atomic Absorption Spectrometry for Chemical Reagents

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

GB 15346 Chemical reagent packaging and marking

HG/T 3921 Chemical Reagent Sampling and Acceptance Rules

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 with volatility and an odor similar to ether. It is miscible with alcohol and ether, slightly soluble in water, toxic, and numb.

Intoxication.