ICS 71.040.30
CCS G62

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 15901-2021

Replacing GB/T 15901-1995

Chemical reagent - Copper (II) chloride dihydrate

化学试剂 二水合氯化铜（氯化铜）

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

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

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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 15901-1995 "Chemical Reagent Copper Chloride Dihydrate (Copper Chloride)", and is similar to GB/T 15901-1995 In addition to structural adjustments and editorial changes, the main technical changes are as follows:

---Added three technical requirements and measurement methods for sodium, potassium and calcium (see Chapter 5, 6.7, 6.8, 6.9);

---Changed the nitrate determination method (see 6.5,

4.2.3 of the.1995 edition);

---Change the inspection rules (see Chapter 7, Chapter 5 of the.1995 edition);

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

---Deleted the specification and measurement method of hydrogen sulfide non-precipitating matter (in terms of sulfate) (see

4.2.7 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). This document was drafted by: Xilong Science Co., Ltd., Beijing Chemical Reagent Research Institute Co., Ltd., Shantou City, Guangdong Province Metrology Supervision and Testing Institute. The main drafters of this document. Luo Yuan, Xu Guozhong, Lin Xudong, She Lajiao, Han Baoying, Wang Yuhua, Zhao Jifei, Yang Jianying, Chen Xiaohong. The previous versions of this document and the documents replaced are as follows:

---In.1995, it was first published as GB/T 15901-1995;

---This is the first revision. Chemical reagent copper chloride dihydrate (copper chloride) 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 15901-2021 is the Chinese national standard on chemical reagent - copper (ii) chloride dihydrate, 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 G62. 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, inspection rules, packaging and marking of the chemical reagent copper chloride dihydrate (copper chloride). This document is applicable to the inspection of the chemical reagent copper chloride dihydrate (copper chloride). Molecular formula. CuCl2·2H2O Relative molecular mass. 170.48 (according to.2018 international relative atomic mass) CAS Number. 10125-13-0

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 610-2008 General method for determination of arsenic in chemical reagents

GB/T 6682 Analytical laboratory water specifications and test methods

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

GB/T 9738 General method for determination of water-insoluble matter in chemical reagents

GB 15258 Regulations for the preparation of chemical safety labels

GB 15346 Chemical reagent packaging and marking

GB/T 35496-2017 General method for the determination of nitrate in chemical reagents

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 light blue crystal, soluble in water.

5 Technical requirements

The technical requirements of copper chloride dihydrate are shown in Table 1.