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CCS G62



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

GB/T 1271-2011

Replacing GB/T 1271-1994

Chemical reagent - Potassium fluoride dihydrate

化学试剂 二水合氟化钾(氟化钾)

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Standardization Administration of China**

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Foreword

This standard replaces GB/T 1271-1994 "Chemicals dihydrate potassium fluoride (KF)," compared with the GB/T 1271-1994 Main To change the following.

- Clarity test specifications by a "qualified" to "3", "5" (1994 version 3.2, this version of Chapter 4);
 - Increasing the calculation formula of the free acid, free base (4.2.2, 4.2.3 1994 edition, this version of 5.4, 5.5);
 - Determination of heavy metals increased sodium sulfide - Glycerin colorimetry and adjusted chemically pure sample size (1994 version 4.2.8, this Version 5.10);
 - Modify the packaging and logo (1992 edition, Chapter 6, Section 7 of this edition).
- Appendix A of this standard is a normative appendix. The standard proposed by China Petroleum and Chemical Industry Association. This standard by the National Standardization Technical Committee Chemistry Chemicals Branch (SAC/TC63/SC3) centralized. This standard was drafted. Elsevier Reagent Co., Ltd. and Shanghai. The main drafters of this standard. Xie Ji, Ke Dehong. This standard replaces the standards previously issued as follows:
- GB/T 1271-1959, GB/T 1271-1977, GB/T 1271-1994. Chemical Reagents Potassium fluoride dihydrate (potassium fluoride) Warning. some of the test procedure specified in this standard may lead to dangerous situations, the user has the responsibility to take appropriate safety and health Measures. Formula. $\text{KF} \cdot 2\text{H}_2\text{O}$ Molecular Weight. 94.13 (according to 2007 international relative atomic mass)

1 Scope

GB/T 1271-2011 is the Chinese national standard on chemical reagent - potassium fluoride 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 12 May 2011 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2011. 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 standard specifies the chemical reagents potassium fluoride dihydrate characteristics, specifications, testing, packaging and inspection rules and signs. This standard applies to chemical reagents potassium fluoride dihydrate test.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard. Preparation of

GB/T 601 chemical reagent standard titration solution

GB/T 602 Determination of impurities in chemical reagents prepared standard solution (GB/T 602-2002,

ISO 6353-1. 1982, NEQ) with

GB/T 603 chemical reagent test method Preparations of articles (GB/T 603-2002,

ISO 6353-1 with. 1982, NEQ)

GB/T 6682 analytical laboratory use specifications and test methods (GB/T 6682-2008, ISO 3696. 1987, MOD)

GB/T 9728 General method for determination of chemical reagents sulfate (GB/T 9728-2007, ISO 6353-1. 1982, NEQ)

GB/T 9735 General method for determination of heavy metals Chemicals (GB/T 9735-2008, ISO 6353-1. 1982, NEQ)

GB/T 9739 General method for determination of iron chemical reagents (GB/T 9739-2006, ISO 6353-1. 1982, NEQ)

GB/T 9742 General method for determination of chemical reagents silicate (GB/T 9742-2008, ISO 6353-1. 1982, NEQ)

GB 15258 rules for preparation of chemical safety labels

GB 15346 chemical reagent packaging and marking

HG/T 3484 standard chemical reagents glass emulsion and clarity standards

3 Characters

This reagent is a colorless crystalline, toxic, deliquescent, easily soluble in water but insoluble in alcohol, the aqueous corrosion of glass.

4 Specification

Potassium fluoride dihydrate as shown in Table 1. Table