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

GB/T 1288-2024

Replacing GB/T 1288-2011

Chemical reagent - Potassium sodium tartrate tetrahydrate

化学试剂 四水合酒石酸钾钠 (酒石酸钾钠)

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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 for standardization documents" Drafting is required. This document replaces GB/T 1288-2011 "Chemical reagent potassium sodium tartrate tetrahydrate (potassium sodium tartrate)" and is consistent with GB/T 1288-2011. In addition to structural adjustments and editorial changes, the main technical changes are as follows: Changed properties (see Chapter 4, Chapter 3 of the.2011 edition); - Added technical requirements and determination methods for ammonium (see Chapter 5, 6.8); - Added the inductively coupled plasma atomic emission spectrometry method for the determination of calcium, copper and lead (see 6.1 1.2, 6.1 3.2, 6.14.2); Changes to packaging and labeling (see Chapter 8, Chapter 7 of the.2011 edition); - The technical requirements and determination methods of total nitrogen (see Chapter 4 and

5.9 of the.2011 edition) have been deleted; The anodic stripping voltammetry (arbitration method) in the determination method of copper and lead has been deleted (see

5.15.1 of the.2011 edition). - Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was proposed by the China Petroleum and Chemical Industry Federation. This document is under the jurisdiction of the Chemical Reagents Subcommittee of the National Technical Committee for Chemical Standardization (SAC/TC 63/SC 3). This document was drafted by: Sinopharm Chemical Reagent Co., Ltd., Beijing Chemical Reagent Research Institute Co., Ltd., Taicang Hushi Reagent Co., Ltd., Guangdong Guanghua Technology Co., Ltd. The main drafters of this document are. Chen Haoyun, Zhu Qian, Zheng Qi, Gan Haiping, Han Baoying, Zhao Jifei, Wang Yuhua, Wang Wei, Zhang Jianfeng, Wang Shenlian. This document was first issued in 1965, revised for the first time in 1985, revised for the second time in.1992, and revised for the third time in.2011. Fourth revision. Chemical reagents Potassium Sodium Tartrate Tetrahydrate (Potassium Sodium Tartrate)

1 Scope

GB/T 1288-2024 is the Chinese national standard on chemical reagent - potassium sodium tartrate tetrahydrate, 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 29 September 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 April 2025. Classification: ICS 71.040.30, CCS G 63. 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 properties, technical requirements, test methods and inspection rules of the chemical reagent potassium sodium tartrate tetrahydrate (potassium sodium tartrate), and packaging and logo. This document applies to the inspection of the chemical reagent potassium sodium tartrate tetrahydrate (potassium sodium tartrate).

Note. The molecular formula of chemical reagent potassium sodium tartrate tetrahydrate (potassium sodium tartrate) is $C_4H_4O_6KNa \cdot 4H_2O$, and the relative molecular mass is 282.22 (according to 2022 International relative atomic mass), CAS number is 6381595, the structural formula is.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies. in this document.

GB/T 601 Preparation of standard titration solutions for chemical reagents

GB/T 602 Preparation of standard solutions for determination of impurities in chemical reagents

GB/T 603 Preparation of preparations and products used in chemical reagent test methods

GB/T 6682 Specifications and test methods for water used in analytical laboratories

GB/T 9723-2007 General rules for flame atomic absorption spectrometry of chemical reagents

GB/T 9724 General rules for determination of pH value of chemical reagents

GB/T 9727 General method for determination of phosphate in chemical reagents

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

GB/T 9732 General method for determination of ammonium in chemical reagents

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

GB/T 9742 General method for determination of silicate in chemical reagents

GB 15346 Chemical reagent packaging and marking

GB/T 23942-2009 General rules for inductively coupled plasma atomic emission spectrometry of chemical reagents

3 Terms and definitions

There are no terms or definitions that require definition in this document.