

ICS 71.040.30

CCS G62



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

GB/T 15898-2013

Replacing GB/T 15898-1995

Chemical reagent - Cobalt nitrate hexahydrate

化学试剂 六水合硝酸钴(硝酸钴)

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Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB/T 15898-1995 "Chemicals cobalt nitrate hexahydrate (cobalt nitrate)," compared with the GB/T 15898-1995 The main changes are as follows:

- Increased traits (see Chapter 3);
- Analytical content specifications adjusted by the "99.0%" to "98.5%" (see Chapter 4, 1995, version 3.1);
- Chloride analytical grade specifications from "0.005%" to "0.002%", chemically pure specifications by the "0.01%" to "0.005%" (See Chapter 4, 1995, version 3.2);
- Increased sodium, magnesium, potassium, calcium and four standard measurement method (see Chapter 4, 5.7,5.8,5.9,5.10);
- Zinc analytical specifications by the "0.05%" to "0.01%", chemically pure specifications from "0.1%" to "0.05%" (see Section 4 Chapter 1995, version 3.2);
- Not canceled ammonium sulfide precipitate (the 1995 edition 3.2,4.10);
- Modify the packaging and logo (see Chapter 7, Chapter 6, 1995 edition). 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. Nanjing Chemical Reagent Co., Ltd. The main drafters of this standard. Wang Hao, Liu Quanping, Wu Min. This standard replaces the standards previously issued as follows:
- GB/T 15898-1960, GB/T 15898-1976, GB/T 15898-1995. Chemical Reagents Cobalt nitrate hexahydrate (cobalt nitrate) WARNING
- some of the provisions of this standard test procedures may lead to dangerous situations, the user has the responsibility to take appropriate safety and health practices. Molecular formula. $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ Molecular weight. 291.03 (according to 2007

international relative atomic mass)

1 Scope

GB/T 15898-2013 is the Chinese national standard on chemical reagent - cobalt nitrate hexahydrate, 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 31 December 2013 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 August 2014. 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 reagent cobalt nitrate hexahydrate characteristics, specifications, testing, packaging and inspection rules and signs. This standard applies to chemical agents hexahydrate of cobalt nitrate test.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document. Preparation of

GB/T 601 chemical reagent standard titration solution Preparation of standard solution of

GB/T 602 Determination of impurities in chemical reagents

GB/T 603 chemical reagent in test methods - Preparations with Laboratory use specifications and test methods GB/T 6682 Analysis

GB/T 9723-2007 Chemicals flame atomic absorption spectrometry General

GB/T 9729 General method for determination of chloride Chemicals

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

GB/T 9738 Determination of water insoluble chemical reagent - General method

GB 15258 rules for preparation of chemical safety labels

GB 15346 chemical reagent packaging and marking

HG/T 3921 Chemicals sampling and acceptance rules

3 Characters

This reagent is dark red crystal, deliquescence, soluble in water.

4 Specification

Cobalt nitrate hexahydrate as shown in Table 1.

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