

ICS 71.040.30

CCS G62



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

GB/T 15355-2008

Replacing GB/T 15355-1994

Chemical reagent - Nickel chloride hexahydrate

化学试剂 六水合氯化镍(氯化镍)

Issued on: May 15, 2008

Implemented on: November 1, 2008

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Characters
- 4 Specification
- 6.0 Water-insoluble, /% ≤ 0.005 ≤ 0.005 $\leq$

Foreword

This standard replaces GB/T 15355-1994 "Chemicals

--- nickel chloride hexahydrate (nickel chloride)", and GB/T 15355-1994 phase Than the main changes are as follows:

--- Increased copper, measuring method (Excerpts 5.12.2, 5.14.2) Lead by Flame Atomic Absorption Spectrometry. 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 is drafted by: Nanjing Chemical Reagent Co., Ltd. The main drafters of this standard. Wang Hao, Gao Wei more. This standard was first published in 1960 and first revised in 1977, the Second Amendment in 1984, in 1994 the third revision. Chemicals nickel chloride hexahydrate (nickel chloride) Molecular formula. $\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$ Molecular weight. 237.69 (according to 2005 international relative atomic mass)

1 Scope

GB/T 15355-2008 is the Chinese national standard on chemical reagent - nickel chloride 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 15 May 2008 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 November 2008. 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 nickel chloride hexahydrate traits,

specifications, testing, packaging and inspection rules and signs. This standard applies to chemical reagents nickel chloride hexahydrate 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 3914-2008 Chemicals General anodic stripping voltammetry

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

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

GB/T 9724 General rule for determination of pH chemical reagent (GB/T 9724-2007, ISO 6353-1. 1982, NEQ)

GB/T 9738 Determination of water insoluble chemical reagent - General method (GB/T 9738-2008, ISO 6353-1. 1982, NEQ)

GB 15346 chemical reagent packaging and marking

HG/T 3921 Chemicals sampling and acceptance rules

3 Characters

This reagent is green crystals in moist air easily deliquescence, soluble in water, soluble in ethanol.

4 Specification

Of nickel chloride hexahydrate as shown in Table 1. Table

1 Name pure class pure analytical chemistry Content ($\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$), /% ≥ 98.0 ≥ 98.0 $\geq$

97.0 pH value (50g/L, 25 °C) 4.0 ~ 6.0 4.0 ~ 6.0 4.0 ~

6.0 Water-insoluble, /% ≤0.005 ≤0.005 ≤

0.01 Sulphate (SO₄), /% ≤0.002 ≤0.005 ≤

0.01 Nitrate (NO₃), /% ≤0.003 ≤0.005 ≤

0.01 Sodium (Na), /% ≤0.005 ≤0.01 ≤

0.02 Calcium (Ca), /% ≤0.005 ≤0.01 ≤0.02

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