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

GB/T 12717-2007

Replacing GB/T 12717-1991

Test method of acetates for industrial use

工业用乙酸酯类试验方法

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Foreword

This standard replaces GB/T 12717-1991 "industrial acetates Test Method." This standard compared with GB/T 12717-1991 main changes are as follows:

- Increase in the content of the warning (see 3.1);
- Test Method for increasing the appearance (see 3.3);
- Increasing the test method, the technical content of the American Society for Testing and Materials standard odor ASTM D1296-2001 "volatile solvent Test" and diluent smell the same (see 3.5);
- Density test method is modified by the Wechsler scale method hydrometer method (1991 version 3.2, this version 3.6);
- Test Method for Acidity in the amount of alcohol solvent and sample size by 10mL modified to 20mL (1991 edition of 3.6.2, edition The 3.9.4);
- Canceled ester content of the test method saponification (1991 version 3.5);
- Acetate content, Test Method for increasing the alcohol content in capillary gas chromatography (see 3.10.1), increased capillary column Gas Chromatography typical chromatogram (see Appendix A.1); Test Method
- moisture increases the Karl Fischer coulometry (see 3.11.1). The Standard Appendix A, Appendix B is an informative annex. The standard proposed by China Petroleum and Chemical Industry Association. This standard by the National Standardization Technical Committee branch of organic chemistry (SAC/TC63/SC2) centralized. This standard was drafted. Shandong Gold Yimeng Group Co., Ltd., Wuxi Baichuan Chemical Corporation. The main drafters. Zhang Siwu, Zhengtie Jiang, Wu Tianhua, Xie Denglong, Xue Jianjun, MA Xiao, Lu Jian, Wang Qing, Zhang Yun. This standard was first published in 1991. Acetates for industrial use - Test methods

1 Scope

GB/T 12717-2007 is the Chinese national standard on test method of acetates for industrial use, 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 13 August 2007 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 February 2008. Classification: ICS 71.080.70, CCS G15. 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 test methods for industrial acetic acid esters. This standard applies to common industrial products with acetic acid esters, including methyl acetate, ethyl acetate, n-propyl acetate, isopropyl acetate, N-butyl acetate, isobutyl acetate test like acid.

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 601-2002 Chemical Reagent standard titration solution

GB/T 603-2002 Chemical Reagent Test Methods Preparations with (ISO 6353-1. 1982, NEQ)

GB/T 3143-1982 Determination of color liquid chemicals (Hazen unit

--- platinum - cobalt color number)

GB/T 4472-1984 Chemical density, relative density measurement General

GB/T 6283-1986 Chemical Products Determination of moisture content Karl Fischer method (General method) (eqv ISO 760. 1978)

GB/T 6324.2-2004 organic chemical products - Test methods - Part 2. Volatile organic liquid water bath dry residue after evaporation Determination (

ISO 759. 1981, Volatileorganicliquidsforindustrialuse-Determinationofdryresidueafter evaporationonawaterbath-Generalmethod, MOD) Laboratory use specifications and test

methods (. 1987 neq ISO 3696) GB/T 6682-1992 Analysis

GB/T 7534-2004 industrial use - Determination of volatile organic liquids boiling range (

ISO 4626. 1980, Volatile organic

liquids-Determination of boiling range of organic solvents used as raw materials, MOD)

GB/T 9722-2006 General chemical reagent gas chromatography

3 Test Method

3.1 Warning Some test procedures prescribed test method can lead to dangerous situations, the operator shall take the appropriate safety and health practices.

3.2 General Provisions Unless otherwise indicated in the analysis using only recognized as analytical reagents and GB/T 6682-1992 the provisions of tertiary water. Analysis in the standard titration solution, preparations and products, did not indicate when the other requirements, according to GB/T 601-2002, GB/T 603-2002 provisions of preparation.

3.3 Determination of appearance In colorimetric stoppered tube, add laboratory samples, visually under fluorescent or daylight.

3.4 Determination of chromaticity The method according to GB/T 3143-1982 specified measured.

3.5.1 Reagents and materials

3.5.1.1 Reference sample. supply and demand sides confirmed;

3.5.1.2 rapid qualitative filter paper. no smell;

3.5.1.3 Review of incense paper (commercially available). no smell.