

ICS 87.060.20
CCS G 50



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

GB/T 33371.1-2016

**Binders for paints and varnishes -- Alkyd resins -- Part 1:
General methods of test**

色漆和清漆用漆基 醇酸树脂 第1部分：通用试验方法
(English Translation)

Issued on: December 30, 2016

Implemented on: July 1, 2017

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

Table of Contents

Foreword
1 Scope
2 Normative references

Foreword

GB/T 33371 "paint and varnish-based alkyd resin" is divided into four parts.

- Part 1. General test methods;
- Part 2. Determination of phthalic anhydride content;
- Part 3. Determination of unsaponifiable matter content;
- Part 4. Determination of fatty acid content.

This section GB/T 33371 Part 1.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the redrafted law Amendment uses ISO 6744-1:1999 paint and varnish-based alkyd resin Part 1. Pass Using test methods. " this section compared with the ISO 6744-1:1999 there are technical differences, the provisions of these differences have been passed in the outer margin of its margin the position of the vertical single (I) were marked in Appendix A is given a list of the corresponding technical differences and their causes.

This section also made the following editorial changes.

- Added information appendix A.

This part is proposed by China Petroleum and Chemical Industry Federation.

This part of the National Paint and Pigment Standardization Technical Committee (SAC/TC5) centralized.

This part of the drafting unit. CNOOC Changzhou Paint Chemical Research Institute Co., Ltd., Hezhong (Foshan) Chemical Co., Ltd., Garbo Chemical Mission Co., Ltd., Guangzhou Standard Geda Laboratory Instrument Co., Ltd., Anhui Linghu Paint Co., Ltd., Shenzhen Yan Qian Technology Limited company.

1 Scope

GB/T 33371 provisions of this part of the paints, varnishes and similar products commonly used alkyd resin test methods.

This section applies to the determination of alkyd resins for varnishes, and similar products but also for alkyd resins made from alkyd resins that can be used as paints and Varnish-based paint with a variety of solutions and similar formulations.

Test methods for alkyd resins of a particular type shall be agreed upon by the parties involved.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 1725 Paints, varnishes and plastics Determination of non-volatile content (GB/T 1725-2007, ISO 3251:2003, IDT) GB/T 5208 Determination of flash point rapid closed cup method (GB/T 5208-2008, ISO 3679:2004, IDT) GB/T 6743 polyester resin for paints, and varnishes - Determination of total acid value and total acid value of paints (GB/T 6743-2008, ISO 2114:2000, IDT) GB/T 6744 paints and varnishes - Determination of saponification value of paint - based titration (GB/T 6744-2008, ISO 3681:1996, IDT) GB/T 6750 Paints and varnishes - Determination of density pyknometer method (GB/T 6750-2007, ISO 2811-1:1997, IDT) GB/T 6753.3 paint storage stability test methods GB/T 6753.4 Paints and varnishes - Determination of run-off time with pour-out cup (GB/T 6753.4-1998, eqvISO 2431.1993) GB/T 9281.1 transparent liquid Gardner color grade assessment of color Part 1. Visual method (GB/T 9281.1-2008, ISO 4630-1:2004, IDT) GB/T 9282.1 transparent liquid with platinum - cobalt grade rating of color Part 1. Visual method (GB/T 9282.1-2008, ISO 6271-1:2004, MOD) GB/T 21059 plastic liquid or emulsion or dispersion polymer/resin with a rotational viscometer at a predetermined shear rate of viscosity Determination of degree (GB/T 21059-2007, ISO 3219:1993, IDT) GB/T 21775 Determination of flash point closed cup balance method (GB/T 21775-2008, ISO 1523:2002, IDT) GB/T 31412 Paints and varnishes - Determination of base hydroxyl value - Determination of titration (GB/T 31412-2015, ISO 4629:1996, MOD) ISO 4630-2 clear liquid Gardner color grade assessment of color Part 2. Spectrophotometry (Clearliquids-Estimation of colourby the Gardnercolourscale-Part 2. Spectrophotometric method) ISO 6271-2 Transparent liquids - Color assessment by platinum - cobalt grade - Part 2. Spectrophotometric method (Clearliquids-Estimation of colourbytheplatinum-cobaltscale-Part 2. Spectrophotometric method) ISO 6744-2; Paints - based alkyd resins for use in paints and varnishes - Part 2. Determination of phthalic anhydride content (Bindersfor paintsandvarnishes-Alkydresins-Part 2:

Determination of phthalic anhydride content) ISO 6744-3 Paints and varnishes - Alkyd resins -
Part 3 - Determination of unsaponifiable content (Binders for paints
and varnishes - Alkyd resins - Part 3: Determination of unsaponifiable matter content)