

ICS 87.060.20
CCS G 50



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

GB/T 33379-2016

**Binders for paints and varnishes -- Amino resins -- General
methods of test**

色漆和清漆用漆基 氨基树脂 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**

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the re-drafting method to amend the use of international standards ISO 11908.:1996 "paint and varnish with base-based amino resin common experiment method".

There are technical differences between this standard and ISO 11908.:1996, and the terms involved in these differences have been passed through the margin the vertical single line (|) is marked, and a list of the corresponding technical differences and their causes is given in Appendix B.

This standard has also made the following editorial changes.

--- Added information Appendix B.

This standard is proposed by the China Petroleum and Chemical Industry Association.

This standard is under the jurisdiction of the National Committee for Standardization of Coatings and Pigments (SAC/TC5).

The drafting unit. CNOOC Changzhou Paint Chemical Research Institute Co., Ltd., Zhuhai City, Guangdong Province Quality Supervision, Inspection and Testing Institute, Guangzhou Standard Grada Laboratory Equipment Co., Ltd., Anhui Linghu Paint Co., Ltd., Shenzhen Yan Qian Technology Co., Ltd., Zhejiang Shenghu Debon Paint Co., Ltd.

1 Scope

This standard specifies the general test for the determination of amino resin and amino resin solutions used as paint bases for paints, varnishes and related products.

method.

This standard is applicable to the determination of the performance of amino resin and amino resin solution used as paint base for varnish, and related products.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 1725 Determination of nonvolatile content of paints, varnishes and plastics (GB/T 1725-2007, ISO 3251.:2003, IDT) GB/T 3186 Sampling of raw materials for paints, varnishes and varnishes and varnishes (GB/T 3186-2006, ISO 15528.:2000, IDT) GB/T 5208 Determination of Flash Point Fast Balance Closed Cup Method (GB/T 5208-2008, ISO 3679.:2004, IDT) GB/T 6743 Polyester resins for plastics, paints and varnishes - Determination of acid and total acid values (GB/T 6743-2008, ISO 2114.:2000, IDT) GB/T 6750 Determination of paint and varnish density Pile method (GB/T 6750-2007, ISO 2811-1.:1997, Paints and varnishes-Determination of density-Part 1. Pycnometer method, IDT) GB/T 9281.1 Transparent liquid - plus color grading - Part 1. Visual method (GB/T 9281.1-2008, ISO 4630-1.:2004, IDT) GB/T 9282.1 Transparent liquids - Evaluation of color with platinum - cobalt grade - Part 1. Visual method (GB/T 9282.1-2008, ISO 6271-1.:2004, MOD) GB/T 21059 Plastic Liquid or Emulsified or Dispersed Polymer/Resin Viscosity at Specified Shear Rate with Rotational Viscometer (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) ISO 11402 Determination of free formaldehyde in phenolic resin, amino resin and condensed resin (Phenolic, amino and condensation resins-Determination of free formaldehyde content)

3 Terms and definitions

The following terms and definitions apply to this document.

Amino resin

A synthetic resin obtained by condensation of melamine or urea or a derivative thereof such as benzoguanamine and formaldehyde. These resins are usually used Alcohols are etherified.

4 Performance and test methods

Unless otherwise agreed, the performance of the amino resin and the test methods used shall be carried out in accordance with Table 1.