

ICS 87.060.10
CCS G 53



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

GB/T 1864-2012

Replacing GB/T 1864-1989

**General methods of test for pigments and extenders --
Comparison of colour of pigments**

颜料和体质颜料通用试验方法 颜料颜色的比较

(English Translation)

Issued on: December 31, 2012

Implemented on: August 1, 2013

Issued by: Standardization Administration of China

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Base
- 4 Instrument
- 5 Sampling

Foreword

This standard rule according to GB/T 1.1-2009 given draft.

This standard replaces GB/T 1864-1989 "comparative pigment color", compared with the GB/T 1864-1989, in addition to editorial changes outside the main to technical changes are as follows.

--- Equivalent to using the previous version of ISO 787-1. 1982 "pigments and extenders - Common test methods - Part 1. pigment color ratio More "This version is revised adoption ISO 787-1. 1982;

--- Dispersion medium from "material. Refined linseed oil" to "binders. If not agreed upon by the parties concerned agreed to recommend the use ISO 150 requirements refined linseed oil "(see Chapter 3 and Chapter 3 of the 1989 edition);

--- Increased step "polishing by hand or spatula Preparation of pigment dispersion" (see 6.2);

--- Test results indicate the method has been modified (see Chapter 7 and Chapter 7 of the 1989 edition).

This standard uses redrafted law revision of international standards ISO 787-1. 1982.

This standard ISO 787-1. 1982 technical differences exist compared to the terms of these differences has been involved through its outer margin bits Opposed to a single vertical line (|) were labeled Appendix A gives the list of the corresponding technical differences and their causes.

This standard also made the following editorial changes.

--- To be consistent with existing national numbering standard, the standard name will be changed to "pigments and extenders - General methods of test paint colors Comparison";

--- Increase the informative Appendix A;

--- Chapter 1, Chapter 6, and Chapter 8 textual representation was modified.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Standardization Technical Committee paint pigment (SAC/TC5) centralized.

This standard was drafted. CNOOC Changzhou coating Chemical Research Institute, Jiangsu double-Chemical Pigment Co., Ltd., Shandong Dong Jia Group shares have Limited, lilies Group Co., Ltd. Carpoly Chemical Group Co., Ltd.

Drafters of this standard. Shen Jiang Su, Maoshun Ming Li of the whole, Wang Feng, Lin Xia.

This standard replaces the standards previously issued as follows.

--- GB/T 1864-1980, GB/T 1864-1989.

Pigments and extenders Common test methods Comparative Pigment colors

1 Scope

This standard specifies the color of the pigment with the same type of color pigment agreed reference Common test methods were compared.

Chapter 6 of this standard provides two methods for preparation of the dispersion, a method using an automatic grinding mechanism prepared dispersion arbitration law.

This standard applies to the same type of comparison with the agreed reference pigment paint color.

When this method is not common for a particular pigment, it should provide a specific method to compare the color.

2 Normative references

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

GB/T 3186 Paints, varnishes and raw materials for paints and varnishes - Sampling (GB/T 3186-2006, ISO 15528:2000, IDT) GB/T 9761 Paints and varnishes - Visual comparison of the color (GB/T 9761-2008, ISO 3668:1998, IDT) ISO 150 paints and varnishes raw and cooked linseed oil specifications and test methods (Raw, refinedandboiled refined linseedoilforpaintsandvarnishes-Specificationsandmethodsoftest)

3 Base

And, if not agreed upon by the parties concerned agreed to recommend the use ISO 150 requirements of refined linseed oil.

4 Instrument

4.1

spatula. steel, tapered blade, about 140mm ~ 150mm, a maximum width 20mm ~ 25mm, the narrowest point is not small at 12.5mm.

4.2

Substrate. colorless transparent glass with dimensions of 150mm x 150mm or other suitable dimensions.

4.3

straw. capacity 1mL syringe.

4.4

automatic grinding machine. frosted glass disc with a diameter of 180mm ~ 250mm, the use of pressure exerted by a maximum of about 1000N, Disc speed is 70r/min ~ 120r/min. Each have a counting device 25 into a block. The best cooling water can pass, if automatic grinding machine Cooling water does not pass, should ensure a constant temperature during the grinding process.

4.5

hand grinder.

4.6

tablet. frosted glass plate or a marble slab, is used when no grinder available.

4.7

Balance. Precision 1mg.

4.8

Wet-film. Wet film 100μm.

5 Sampling

According to the provisions of GB/T 3186 to take a representative sample of the test pigment.