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

GB/T 30648.1-2014

**Paints and varnishes -- Determination of resistance to liquids --
Part 1: Immersion in liquids other than water**

色漆和清漆 耐液体性的测定 第1部分：浸入除水之外的液体中

(English Translation)

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Foreword

GB/T 30648 "Paints and varnishes - Determination of resistance to liquids" is divided into the following five sections.

--- Part 1. Immersion in liquids other than water;

--- Part 2. Water immersion method;

--- Part 3. Using the method of absorption of the medium;

--- Part 4. drip method;

--- Part 5. The oven has a temperature gradient method.

This section is GB/T Part of 130,648.

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

This section uses redrafted Law Amendment uses ISO 2812-1:2007 "Paints and varnishes - Determination of resistance to liquids - Part 1. Dip Into liquids other than water. " this part of ISO 2812-1:2007 as compared to the existence of technical differences between the terms of these differences has been involved through its outer margins A single vertical line (|) the location was marked, the list given in Appendix A corresponding technical differences and their causes.

This section also made the following editorial changes.

--- Deleted the Chapter 4 of the numbers to the column item;

--- Increase the informative Appendix A, the ISO 2812-1:2007 Information in Appendix A to this part of the informative annex B.

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

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

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1 Scope

GB/T 30648 provisions of this part of the single coating or composite coating resistant to liquid or paste the role of test liquid other than water in general experiment method.

The method can determine the effect of the test solution on the coating surface, or the extent of damage to the substrate.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein 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 6682 analytical laboratory use specifications and test methods (GB/T 6682-2008, ISO 3696. 1987, MOD) GB/T 9271 Paints and varnishes - Standard panels for (GB/T 9271-2008, ISO 1514:2004, MOD) GB/T 9278 paint sample conditioning and testing temperature and humidity (GB/T 9278-2008, ISO 3270. 1984, IDT) GB/T 13452.2 Paints and varnishes - Determination of film thickness (GB/T 13452.2-2008, ISO 2808:2007, IDT) GB/T 20777 Paints and varnishes examination and preparation of samples (GB/T 20777-2006, ISO 1513:1992, IDT) the number and size of the ISO 4628-1 Paints and varnishes - Evaluation of degradation of coatings defects and uniformity of appearance change logo Part 1. General and identification system (Paints and varnishes-Evaluation of degradation of coatings-Designation of quantity and size of defects, and of intensity of uniform changes in appearance-Part 1. General introduction and designation system) the number and size of the ISO 4628-2 Paints and varnishes - Evaluation of degradation of coatings defects and uniformity of appearance change logo Part 2. Evaluation of gassing (Paints and varnishes-Evaluation of degradation of coatings-Designation of quantity and size of defects, and of intensity of uniform changes in appearance-Part 2. Assessment of degree of blistering) Principle 3 the painted specimen is immersed in the test solution and allowed to be exposed to the test solution, in accordance with agreed criteria assessment immersion of the coatings.

4 Equipment

WARNING. To prevent an explosion or fire, for a volatile liquid containing flammable products should be handled with care, should be strictly in accordance with national

regulations carried out.

Normal laboratory equipment and the following instruments.

- Groove, an inert material, can be loaded into the test liquid and test pieces;
- Heating box, equipped with forced ventilation, the test can be performed at higher temperatures (up to 40 deg.] C), and maintained at a temperature range of ± 3 °C Around inside.