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

GB/T 22392-2008

**Photography -- Processing chemicals -- Specifications for
hydroquinone**

摄影 加工用化学品 对苯二酚

(English Translation)

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Foreword

This standard is identical with ISO 423:1994 "Photography - Processing chemicals hydroquinone norms" (in English).

This standard is equivalent translation ISO 423:1994.

For ease of use, this standard made the following editorial changes.

--- "This International Standard" or "ISO 423" to "this standard";

"," --- With a decimal point instead of a comma as the decimal point, "";

--- Delete ISO 423:1994 Foreword Introduction;

--- The Chapter 2, "Normative References" section listed in international documents equivalents translated national standards instead.

Please note that some of the content of this standard may involve patents, the issuing authority of this standard should not bear the responsibility to identify these patents.

Appendix A of this standard is a normative appendix.

The standard proposed by China Petroleum and Chemical Industry Association.

The photosensitive material standard by the National Standardization Technical Committee (SAC/TC102) centralized.

This standard was drafted. China Lucky Film Group Corporation Baoding Lucky Chemical Co., photography.

Drafters of this standard. Jingbo places.

GB/T 22392-2008/ISO 423:1994 Photography - Processing chemicals hydroquinone

1 Scope

This standard specifies the photographic grade hydroquinone purity requirements and test methods for testing purity.

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.

GB/T 20432.1-2006 Photographic - grade chemicals - Test methods - Part 1. General (ISO 10349-1:2002, IDT) GB/T 20432.4-2006 Photographic grade chemicals - Test methods - Part 4. Determination of residue on ignition (ISO 10349-4. 1992, IDT)

Determination of heavy metals and iron content. GB/T 20432.5-2007 Photographic grade chemicals - Test methods - Part 5 (ISO 10349-5:1992, IDT) ISO 565:1990 test sieve sheet metal wire woven mesh, plates and electric forming process, the nominal size of the aperture

3.1 Physical properties

Hydroquinone [C₆H₄ (OH) ₂] as a white or almost white needle crystal or free-flowing crystalline powder, relative molecular mass 110.10.

3.2 Hazard

Hydroquinone contact with eyes can cause injury, contact with the skin can cause dermatitis. Avoid all contact with skin, do not inhale dust or vapor.

Wear eye protection and gloves when operating supplies. More information can be obtained from the manufacturer.

4 Requirements

Requirement in Table 1.

Table 1 Requirements

Project Test Limit Test Standard Terms Content /% ≥ 99.0 7.1 This standard Experimental Melting point/°C the mixture Melting point/°C IR 171 to 175 not less than the standard sample or samples FIG. 1 is consistent with 7.2.1 7.2.1 7.2.2 this standard this standard

this standard Residue on ignition content /% $\leq$ 0.10 7.3 GB/T 20432.4-2006 Heavy metal content (Pb) /% $\leq$ 0.002 7.4 GB/T 20432.5-2007 Iron content (as Fe) /% $\leq$ 0.002 7.5 GB/T 20432.5-2007 Appearance transparent solution without insolubles (except micro floc) 7.6 standard GB/T 22392-2008/ISO 423:1994