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

GB/T 22399-2008

**Photography -- Processing chemicals -- Specifications for
Sodium hydroxide**

摄影 加工用化学品 氢氧化钠

(English Translation)

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Foreword

This standard is identical with ISO 3617:1994 "Photography - Processing chemicals sodium hydroxide norms" (in English).

This standard is equivalent translation ISO 3617:1994.

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

--- "This International Standard" or "ISO 3617" to "this standard";

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

--- Delete ISO 3617:1994 Foreword Introduction;

--- International standards set forth in Chapter 2, "Normative references" instead equivalents translate national standards.

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 22399-2008/ISO 3617:1994 Photography - Processing chemicals sodium hydroxide

1 Scope

This standard specifies the photographic grade potassium hydroxide (danger. "C") Test Method 1) purity requirements and test purity.

1) Hazard warning symbol as defined in GB/T 20432.1-2006 in Chapter 4.

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) Determination of heavy metals and iron content. GB/T 20432.5-2007 Photographic grade chemicals - Test methods - Part 5 (ISO 10349-5:1992, IDT) Determination of halide content. GB/T 20432.6-2008 Photographic grade chemicals - Test methods - Part 6 (ISO 10349-6:1992, IDT) Determination of acidity or alkalinity. GB/T 20432.7-2007 Photographic grade chemicals - Test methods - Part 7 (ISO 10349-7:1992, IDT)

3.1 Physical properties

Sodium hydroxide (NaOH) as a white strip, sheet, spheres, granules or powder, relative molecular mass of 40.00.

3.2 Hazard

Sodium hydroxide is corrosive (dangerous. "C"), Avoid contact with eyes, skin and clothing. Avoid breathing dust, consult the manufacturer's material Quality safety data sheets (MSDS) to obtain information.

3.3 HANDLING AND STORAGE

Sodium hydroxide should be stored in the tag attached to the hermetically sealed plastic container. Hygroscopic exothermic violent reaction with acids.

4 Requirements

Requirement in Table 1.

Table 1 Requirements

Project Test Limit Test Standard Terms Content (NaOH meter) /% ≥ 95.0 7.1 This standard

Heavy metal content (Pb) /% $\leq$ 0.003 7.2 GB/T 20432.5-2007 Iron content (as Fe) /% $\leq$ 0.002 7.3 GB/T 20432.5-2007 Halide content (Cl- meter) /% $\leq$ 0.3 7.4 GB/T 20432.6-2008 Carbonate content (in terms Na_2CO_3) /% $\leq$ 2.5 7.5 This standard Calcium and magnesium content (as Mg) /% $\leq$ 0.06 7.6 This standard Appearance transparent solution without insolubles (except micro floc) 7.7 standard GB/T 22399-2008/ISO 3617:1994