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

GB/T 22403-2008

**Photography -- Processing chemicals -- Specifications for
anhydrous potassium carbonate**

摄影 加工用化学品 无水碳酸钾

(English Translation)

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Foreword

This standard is identical with ISO 3623:1994 "photographic processing chemicals --- anhydrous potassium carbonate norms" (in English).

This standard is equivalent translation ISO 3623:1994.

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

--- "This International Standard" or "ISO 3623" to "this standard";

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

--- Delete ISO 3623:1994 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 22403-2008/ISO 3623:1994 Photography - Processing chemicals anhydrous

potassium carbonate

1 Scope

This standard specifies the test method for photographic grade chemicals anhydrous potassium carbonate purity requirements and test 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) 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 alkalinity or acidity. GB/T 20432.7-2007 Photographic grade chemicals - Test methods - Part 7 (ISO 10349-7:1992, IDT) GB/T 20432.8-2007 Photographic grade chemicals - Test methods - Part 8. Determination of volatile matter (ISO 10349-8:2002, IDT) Part 9 GB/T 20432.9-2007 Photographic grade chemicals - Test method. Reaction of silver nitrate and ammonia solution (ISO 10349-9:1992, IDT)

3.1 Physical properties

Anhydrous potassium carbonate (K_2CO_3) as a colorless white granules or powder, relative molecular mass of 138.21.

3.2 Hazard

Of anhydrous potassium carbonate irritates the eyes, skin and throat.

3.3 HANDLING AND STORAGE

Of anhydrous potassium carbonate should be stored in closed packaging at room temperature.

4 Requirements

Requirement in Table 1.

Table 1 Requirements

Project Test Limit Test Standard Terms Content (K₂CO₃ meter) /% ≥ 97.0 7.1 This standard the mass fraction of heavy metals (Pb) /% ≤ 0.001 7.2 GB/T 20432.5-2007 the mass fraction of iron (as Fe) /% ≤ 0.001 7.3 GB/T 20432.5-2007 Halide content (in terms Cl-) /% ≤ 0.1 7.4 GB/T 20432.6-2008 GB/T 22403-2008/ISO 3623:1994