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

GB/T 22401-2008

**Photography -- Processing chemicals -- Specifications for
anhydrous sodium metabisulfite**

摄影 加工用化学品 无水焦亚硫酸钠

(English Translation)

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Table of Contents

Foreword
1 Scope
2 Normative references
3 Overview
3.1 Physical properties
3.2 Hazard
3.3 HANDLING AND STORAGE
4 Requirements
5 Reagents and glassware

Foreword

This standard is identical with ISO 3627:2001 "photographic processing chemicals --- anhydrous sodium metabisulphite Specifications" (in English).

This standard is equivalent translation ISO 3627:2001.

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

--- "This International Standard" or "ISO 3627" to "this standard";

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

--- Delete ISO 3627:2001 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.

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 22401-2008/ISO 3627:2001 Photography - Processing chemicals Anhydrous sodium

metabisulfite

1 Scope

This standard specifies the test method for level Photographic Chemicals anhydrous sodium metabisulfite 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) 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 sodium metabisulfite ($\text{Na}_2\text{S}_2\text{O}_5$) as a white or light cream colored particles, relative molecular mass of 190.10.

3.2 Hazard

Anhydrous sodium metabisulfite no risk in taking the usual protection operation, avoid contact with acids.

3.3 HANDLING AND STORAGE

Anhydrous sodium metabisulfite should be stored in closed containers at room temperature.

4 Requirements

Requirement in Table 1.

Table 1 Requirements

Project Test Limit Test Standard Terms Content /% ≥ 95.0 7.1 This standard the mass fraction of heavy metals (Pb) /% ≤ 0.005 7.2 GB/T 20432.5-2007 the mass fraction of iron (as Fe) /% ≤ 0.005 7.3 GB/T 20432.5-2007 the reaction of ammonia and silver nitrate solution qualified 7.4 GB/T 20432.9-2007 pH value of 3.7 to 4.6 7.5 Standard Thiosulfate

mass fraction (in S2O2-3 meter) /% ≤ 0.03 7.6 This standard Appearance transparent solution without insolubles (except micro floc) 7.7 standard

5 Reagents and glassware

Unless otherwise specified, all reagents, glassware and materials shall comply with GB/T 20432.1-2006 requirements. Detailed operation step GB/T 22401-2008/ISO 3627:2001