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

GB/T 22408-2008

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

摄影 加工用化学品 无水亚硫酸钠

(English Translation)

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Foreword

This standard is identical with ISO 418:2001 "photographic processing chemicals --- anhydrous sodium sulfite Specifications" (in English).

This standard is equivalent translation ISO 418:2001.

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

--- "This International Standard" or "ISO 418" to "this standard";

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

--- Delete ISO 418:2001 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.

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 22408-2008/ISO 418:2001 Photography - Processing chemicals anhydrous sodium sulfite

1 Scope

This standard specifies the test methods for sodium sulfite purity requirements and test the purity of photographic grade anhydrous.

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 ammonia insoluble matter. GB/T 20432.3-2008 Photographic grade chemicals - Test methods - Part 3 (ISO 10349-3:1992, 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) Determination of alkalinity or acidity. GB/T 20432.7-2007 Photographic grade chemicals - Test methods - Part 7 (ISO 10349-7:1992, 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 sulfite (Na_2SO_3) as a white powder particles, relative molecular mass of 126.04.

3.2 Hazard

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

3.3 HANDLING AND STORAGE

Anhydrous sodium sulfite 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 /% ≥ 97.0 7.1 This standard Insolubles (aqueous ammonia solution to precipitate calcium and magnesium in the count) /% ≥ 0.5 7.2 GB/T 20432.3-2008 the mass fraction of heavy metals (Pb) /% ≤ 0.002 7.3 GB/T

20432.5-2007 the mass fraction of iron (as Fe) /% ≤ 0.005 7.4 GB/T 20432.5-2007
Alkalinity (Na₂CO₃ meter) /% ≤ 0.15 7.5 GB/T 20432.7-2007 the reaction of ammonia and
silver nitrate solution qualified 7.6 GB/T 20432.9-2007 Thiosulfate mass fraction (in S₂O₃²⁻
meter) /% ≤ 0.03 7.7 This standard Appearance transparent solution without insolubles
(except micro floc) 7.8 standard GB/T 22408-2008/ISO 418:2001