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

GB/T 20432.6-2008

**Photography -- Photographic-grade chemicals -- Test methods
-- Part 6: Determination of halide content**

摄影 照相级化学品 试验方法 第6部分: 卤化物含量的测定

(English Translation)

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Foreword

GB/T 20432 "Photographic-grade chemicals - Test methods" is divided into the following sections.

- Part 1. General;
- Part 2. Determination of matter insoluble in water;
- Part 3. Determination of ammonia insoluble;
- Part 4. Determination of residue on ignition;
- Part 5. Determination of heavy metals and iron content;
- Part 6. Determination of halide content;
- Part 7. Determination of alkalinity or acidity;
- Part 8. Determination of volatile matter;
- Part 9. silver nitrate and ammonia solution in the reactor;
- Part 10. Determination of sulfide;
- Part 11. Determination of relative density;
- Part 12. Determination of density;
- Part 13. Determination of pH.

This is Part 6 GB/T 20432 of.

This part identical with ISO 10349-6. halide content measured 1992 "Photographic grade chemicals - Test methods - Part 6 Fixed "(in English).

This section is equivalent translation ISO 10349-6:1992.

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

- a) "This part of ISO 10349" be replaced by "GB/T 20432 in this section";
- b) use a decimal point instead of a decimal comma ",", ". ", ";
- c) Remove the ISO 10349-6:1992 Foreword;
- d) ISO 10349-6:1992 Normative documents are referenced in ISO 10349-1:1992, and ISO 10349-1:1992 has been Revised as ISO 10349-1:2002, referenced in this section is GB/T 20432.1 (ISO 10349-1:2002, IDT);
- e) ISO 10349-13:2002 "Photographic grade chemicals - Test methods - Part 13. pH measurement" Standard 2002 Years to be included in the ISO 10349 series of standards, ISO 10349-6:1992 was published in 1992 did not exist ISO 10349-13:2002, the standard for completeness, this part of the conversion of ISO 10349-6:1992 to incorporate it into the this series of standards.

This part is proposed by the China Petroleum and Chemical Industry Association.

This part of the photosensitive material by the National Standardization Technical Committee (SAC/TC102) centralized.

This section drafted by. China Lucky Film Group Corporation.

Drafters of this section. Wang Jun.

GB/T 20432.6-2008/ISO 10349-6:1992 Photographic-grade chemicals - Test methods Part 6. Determination of halide content

1 Scope

This section GB/T 20432 specifies the photographic grade chemicals halide content (Cl-dollars) General Test Method for Determination of.

NOTE: Individual standards by modifying the calculation, in a halide salt meter.

2 Normative references

The following documents contain provisions which, through reference GB/T 20432 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 20432.1 Photographic grade chemicals - Test methods - Part 1. General (GB/T

20432.1-2006, ISO 10349-1:2002, IDT)

3 Harmfulness

General warnings and dangers in GB/T 20432 used hazardous symbols, execution GB/T 20432.1 requirements.

4 Reagents

General requirements should be consistent with the provisions of GB/T 20432.1 of.

4.1 Halide standard solution

Based on the detection limit (see Table 1) A standard solution was prepared halide and/or a halide standard solution B.

Single marking on 1000mL volumetric flask, dissolve 1.65g sodium chloride (was dried at 105 °C 2h, and cooled in a desiccator to room Temperature) in 500mL of water, then diluted with water to 1000mL, and mix well. With pipette 1mL of the solution, placed in a 100mL Single marking volumetric flask, dilute to the mark, and labeled "halide standard solution A" label.

Single marking on 1000mL volumetric flask, dissolved 0.165g sodium chloride (was dried at 105 °C 2h, and cooled in a desiccator to room Temperature) in 500mL of water, then diluted with water to 1000mL, and mix well. With pipette 1mL of the solution, placed in a 100mL Single marking volumetric flask, dilute to the mark, and labeled "halide standard solution B" label.

4.2 Nitric acid solution (1 + 9)

Was slowly added 10mL mass fraction of about 69% nitric acid (hazard class.) in 90mL water.

Dissolving 10g of silver nitrate (hazard class.) in 50mL of water and diluted with water to 100mL.

5 Instruments

Glassware shall comply with the provisions of GB/T 20432.1 of.

GB/T 20432.6-2008/ISO 10349-6:1992