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

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**Photography - Processing waste - Determination of total amino
nitrogen(microdiffusion Kjeldahl method)**

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foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules for Standardization Documents" drafting.

This document is equivalent to ISO 6851.2001 "Determination of total content of ammoniacal nitrogen in photographic processing waste liquid (micro-diffusion Kjeldahl nitrogen method)".

A chapter "Terms and Definitions" has been added to this document.

The following minimal editorial changes have been made to this document.

--- Added informative appendix NA.

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

This document is one of a series of standards for the analysis of photographic waste,

including the analysis of total amino nitrogen in photographic waste water (microdiffusion Kjeldahl method).

This document is intended for individuals with a working knowledge of analytical techniques. Some steps use corrosive, toxic or other hazardous chemicals. place

Laboratory safety protocols for physical chemicals require the use of safety glasses or goggles and, in some cases, other protective clothing,

Such as rubber gloves, masks or aprons. The safe performance of any chemical procedure always requires that normal precautions have been taken for hazardous materials

Specific details are provided. Hazard warnings are designated by letters enclosed in angle brackets "< >". These letters are defined in Chapter 6 and then in this paper

used in the file. More detailed information on the hazards, handling and use of these chemicals is available from the manufacturer.

Only through chemical analysis can the photography lab determine compliance with emissions regulations. If the photography lab does not comply with emissions regulations

If required, use an external laboratory.

Determination of Total Ammonia Nitrogen Content in Photographic Processing Waste Liquid (Micro-diffusion Kjeldahl nitrogen method)

1 Scope

This document describes a method for the determination of total organic nitrogen and any ammoniacal nitrogen in photographic processing effluents by the Kjeldahl method.

This method can determine the total Kjeldahl nitrogen in the waste liquid of photography processing, the concentration range is 10mg/L~200mg/L in ammonia, or the concentration in nitrogen

The concentration range is 8mg/L~160mg/L. If the ammoniacal nitrogen is determined separately and subtracted (see ISO 6853), the organic amino nitrogen content can be determined.

concentration.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is

applicable to

this document.

flasks)

Note. GB/T 12806-2011 Laboratory Glass Instruments Single Marked Line Volumetric Flasks (ISO 1042.1998, NEQ)

ISO 5667-1 Water quality sampling Part 1.Guidelines for the design of sampling schemes (Waterquality-Sampling-Part 1.

Note. GB/T 12997-1991 Water Quality Sampling Scheme Design Technical Regulations (ISO 5667-1.1980, IDT)

ISO 5667-2 Water quality sampling Part 2.Guidance on sampling techniques (Waterquality-Sampling-Part 2.Guidance

Note. GB/T 12998-1991 Water Quality Sampling Technical Guidance (ISO 5667-2.1982, NEQ)

ISO 5667-3 Water quality sampling Part 3.Sample storage and handling guidelines (Waterquality-Sampling-Part 3.

Note. GB/T 12999-1991 Technical regulations for storage and management of water quality sampling samples (ISO 5667-3.1985, NEQ)

General test methods)

Note. For Chinese documents that have a consistent correspondence with ISO 6353-1, see Appendix NA.

Specifications-Firstseries)

Note. For Chinese documents that have a consistent correspondence with ISO 6353-2, see Appendix NA.

Specifications-Secondseries)

Note. For Chinese documents that have a consistent correspondence with ISO 6353-3, see Appendix NA.

ISO 10349-1 Methods of testing photographic grade chemicals Part 1.General (Photography-Photographic-

Note. GB/T 20432.1-2006 Test Methods for Photographic Grade Chemicals Part 1.General Rules (ISO 10349-1.2002, IDT)