

ICS 37.080
CCS A 14



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

GB/Z 42215-2022

**Document management - Environmental and work place safety
regulations affecting microfilm processors**

Issued on: December 30, 2022

Implemented on: July 1, 2023

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Preface	
Introduction	
1 Scope	1
2 Normative references	1
3 Terms and Definitions	1

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 modified to adopt ISO /T R18159.2015 "Document management affects the environment and workplace safety regulations for microfilm processing machines "Regulations", the document type is adjusted from the ISO technical report to my country's national standardization guiding technical document.

Compared with ISO /T R18159.2015, this document has made the following structural adjustments.

- Added the chapter "Normative References";
- 3.18 corresponds to 2.18.1 in ISO /T R18159.2015; 3.18.1~3.18.7 corresponds to ISO /T R18159.2015
- 2.18.2~2.18.8;
- Appendix A corresponds to Appendix D in ISO /T R18159.2015.

The technical differences between this document and ISO /T R18159.2015 and their reasons are as follows.

- Increased the scope of application of this document in the "Scope" chapter (see Chapter 1), in order to meet the requirements for the preparation of Chinese standards.

The following editorial changes have been made to this document.

- Deleted the note in Chapter 1;
- Deleted the relevant content of Appendix A applicable to the United States, not applicable to my country's national conditions.

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

This document was proposed and managed by the National Standardization Technical Committee of Document Imaging Technology (SAC/TC86).

This document is drafted by: Beijing Jingyi Film Machinery Equipment Co., Ltd.

Introduction

This document is to help microfilm processing units understand the characteristics of wastewater generated during film processing and the relevant discharge regulations. this document

The intended audience includes those responsible for environmental regulations in the organization, and those responsible for enforcing compliance procedures (such as training and documentation) and reporting on their implementation situation personnel.

Document Management Affects Microfilm Processors

Environmental and Workplace Safety Rules

1 Scope

This document provides information on environmental laws and regulations that may affect microfilm processing units. These laws and regulations control the following microfilm

Slice processing jobs.

---Wastewater storage and disposal;

---Storage and disposal of hazardous waste, employee safety training;

---Public notification of harmful events.

This document is applicable to relevant institutions of microfilm processing technology.

2 Normative references

This document has no normative references.

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1

liquid medicine bath

Aqueous solutions of chemicals used in wet processing.

3.2

bleaching

In the black-and-white inversion step, the image silver formed by reduction is converted to soluble silver sulfate salts, and the subsequent (reversal or negative) color

Cleared during processing.

NOTE. This step converts reduced silver in the image to soluble silver sulfate salts, which are removed by fixing and washing with water.

3.3

bleaching

fixing

The bleaching and fixing steps are combined in a single solution.

NOTE. This is a step of color processing.

3.4

cleaning

The liquid medicine uses black and white inversion treatment to wash away the soluble silver sulfate and pollutants formed by the bleaching reaction.

NOTE. This is the step to remove the contaminants produced during the bleaching process.

3.5

Coupler coupler

A compound that combines with the oxidation product of the developer during color development to form a dye.

Examples. phenols, naphthols, pyrazolones