

ICS 37.080
CCS A 14



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

GB/T 25073-2010

**Micrographics -- Color microfilm -- Application of the exposure
technique to prepare line originals and continuous tone
originals**

(English Translation)

Issued on: September 2, 2010

Implemented on: December 1, 2010

Issued by: Standardization Administration of China

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Exposure technique
 - 3.1 Technical Brief exposure
 - 3.2 Lighting
 - 3.3 Exposure Lens

Foreword

This standard is identical with ISO 11142:2005 "Micrographics color microfilm exposure technique and with suitable lines Preparation of originals and continuous-tone original "(in English) of technical content.

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

- Use the "standard" instead of "this International Standard";
- Remove the directory with international standards;
- Remove the introduction of international standards;
- Deleted international standards foreword, preface written this standard;
- Corrected international standard two editorial errors (in the 5.1.4.2 "Figure 2" to "Figure 1," Table 1 "Standard Chroma "and" coordinate "into one column);
- 6.1.4 of the lambda to domestic conventional optical density symbol D;
- Added Tables 2 and 3 in correspondence with ISO ISO character No. 2 force resolution test chart annotations;
- The Normative references to international standards with the national standards or international standards in force corresponding;
- Will apply international standards applicable to our presentation to the standard formulation.

This Standard Document Imaging Technology by the National Standardization Technical Committee (SAC/TC86) and focal points.

This standard was drafted. National Information Technology Standardization Technical

Committee Document Imaging 4 of the Technical Committee.

1 Scope

This standard specifies the color line of microfilm exposure technique and preparation whom the original, continuous tone originals and test chart, including the necessary Original test (see Chapter 5) and the assessment of color microfilm test exposure.

This standard applies to color lithography and evaluation of available original lines and continuous tone originals, to prepare for microfilming purposes (see Appendix A).

This standard is intended to make copies of the reproduction of the original color. As for the flushing control, the film should comply with the manufacturer's recommendations.

This standard does not consider microfiche readers feature on the projector is projecting a color microfilm form subjective impression.

Note: When viewing color microfilm, microfiche reader should be neutral gray translucent screen (see Appendix A).

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 6151-1997 Textiles Tests for color fastness test General (eqv ISO 105-A01.1994)
GB/T 6161-2008 Micrographics - ISO test chart No. 2 Resolving power is described and its application (ISO 3334:2006, IDT) GB/T 7973-2003 Paper, board and pulps measurement of diffuse reflectance factor (diffusion/vertical method) (ISO 2469:1994, NEQ) GB/T 11501-2008 photographic density measurements - Part 3. Spectral conditions (ISO 5-3:1995, IDT) GB/T 17293-2008 Micrographics inspection platform microfilm camera system performance using standard test plate (ISO 10550.

1994, MOD)

GB/T 18405-2008 features Micrographics ISO character and ISO test chart No. 1 and its use (ISO 446.

2004, IDT)

General principles ISO 128 Technical drawings graphical representation ISO 216:2007 after some printing paper and writing paper cutting size A and B series ISO 3664:2009 Graphic technology and photography viewing conditions CIE15.2004 colorimetry

3.1 Technical Brief exposure

Exposure and replication technology has a great influence on the color quality of the final product. Therefore, it should meet the 3.2 to 3.6 are listed Care light color temperature, spectral characteristics of the exposure lens, filters and other basic requirements.

3.2 Lighting

Because color microfilm is in accordance with the 3200K color temperature balance (see 3.4), the illuminance lighting should be kept constant color temperature in 3000K ~ 3400K range.

3.3 Exposure Lens

All lenses used to capture color microfilm shall pass color correction.