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

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**Optical functional films-Weathering resistance testing
method-Solvent induction method**

光学功能薄膜 耐候性测定方法 溶剂诱导法

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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 is required.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Petroleum and Chemical Industry Federation.

This document is under the jurisdiction of the National Technical Committee for Standardization of Optical Functional Thin Film Materials (SAC/TC 431).

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Determination method of weather resistance of optical functional films Solvent Induction Method

1 Scope

This document describes the method for determining the weathering properties of optically functional films using the solvent-induced method.

This document is applicable to the determination of optically functional films with surface coatings.

2 Normative references

GB/T 2410

GB/T 2918-2018

GB/T 9754

GB/T 11186.2

GB/T 25257

ISO 17221

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Solvent induction method

A method to characterize the changes in coating surface properties and precipitation by using the principle of penetration and diffusion and inducing the coating surface with stimulation by organic solvents.

4.1 Glass bottles

The bottle body is cylindrical, the volume of the glass bottle is (150 ± 5) mm, and the inner diameter of the bottle mouth is (80 ± 1) mm; the bottle mouth should be flat and without defect.

4.2 Organic solvents

One of analytically pure butanone, ethyl acetate, and isopropanol.

5 Samples

5.1 The sample to be measured should meet the preparation requirements of the specified

sample.

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