

# **SLOVENSKI STANDARD**

## **SIST EN ISO 7579:2009**

**01-december-2009**

**Nadomešča:**

**SIST EN ISO 7579:1997**

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**Barvila - Ugotavljanje topnosti v organskih topilih - Gravimetrijska in fotometrijska metoda (ISO 7579:2009)**

Dyestuffs - Determination of solubility in organic solvents - Gravimetric and photometric methods (ISO 7579:2009)

Farbstoffe - Bestimmung der Löslichkeit in organischen Lösemitteln - Gravimetrisches und photometrisches Verfahren (ISO 7579:2009)

Colorants - Détermination de la solubilité dans les solvants organiques - Méthodes gravimétrique et photométrique (ISO 7579:2009)

**Ta slovenski standard je istoveten z: EN ISO 7579:2009**

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**ICS:**

87.060.10	Pigmenti in polnila	Pigments and extenders
87.060.30	Topila	Solvents

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**en,fr**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 7579**

October 2009

ICS 87.060.10

Supersedes EN ISO 7579:1996

English Version

**Dyestuffs - Determination of solubility in organic solvents -  
Gravimetric and photometric methods (ISO 7579:2009)**

Colorants - Détermination de la solubilité dans les solvants  
organiques - Méthodes gravimétrique et photométrique  
(ISO 7579:2009)

Farbstoffe - Bestimmung der Löslichkeit in organischen  
Lösemitteln - Gravimetrisches und photometrisches  
Verfahren (ISO 7579:2009)

This European Standard was approved by CEN on 5 October 2009.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## Foreword

This document (EN ISO 7579:2009) has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" in collaboration with Technical Committee CEN/TC 298 "Pigments and extenders" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2010, and conflicting national standards shall be withdrawn at the latest by April 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 7579:1996.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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The text of ISO 7579:2009 has been approved by CEN as a EN ISO 7579:2009 without any modification.

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# INTERNATIONAL STANDARD

**ISO  
7579**

Second edition  
2009-10-15

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## Dyestuffs — Determination of solubility in organic solvents — Gravimetric and photometric methods

*Colorants — Détermination de la solubilité dans les solvants  
organiques — Méthodes gravimétrique et photométrique*

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 7579 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 2, *Pigments and extenders*.

This second edition cancels and replaces the first edition (ISO 7579:1990), in which the mixing time has been reduced from 24 h to 3 h but the temperature has been increased from 105 °C to 150 °C, Method B and Annex B have been deleted and a photometric test method has been added.

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## Introduction

Many dyestuffs are soluble in a solvent to an extent which is independent of the amount of dyestuff present in the solvent, as long as excess dyestuff is present. This concentration is defined as the saturation concentration and represents the solubility of the dyestuff in the solvent. In some cases, however, there is no fixed saturation concentration and the amount of dyestuff which dissolves increases with the amount of dyestuff added. A gravimetric and a photometric procedure to assess the solubility of these dyes are described in this International Standard.

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