



**SLOVENSKI STANDARD**  
**SIST EN ISO 787-14:2002**  
**01-januar-2002**

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General methods of test for pigments - Part 14: Determination of resistivity of aqueous extract (ISO 787-14:1973)

Allgemeine Prüfverfahren für Pigmente - Teil 14: Bestimmung des spezifischen Widerstandes des wässrigen Extraktes (ISO 787-14:1973)

Méthodes générales d'essai des pigments - Partie 14: Détermination de la résistivité de l'extrait aqueux (ISO 787-14:1973)

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**Ta slovenski standard je istoveten z: EN ISO 787-14:2001**

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**ICS:**

87.060.10      Pigmenti in polnila                      Pigments and extenders

**SIST EN ISO 787-14:2002**                      en

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 787-14**

August 2001

ICS 87.060.10

English version

## General methods of test for pigments - Part 14: Determination of resistivity of aqueous extract (ISO 787-14:1973)

Méthodes générales d'essai des pigments - Partie 14:  
Détermination de la résistivité de l'extrait aqueux (ISO 787-  
14:1973)

Allgemeine Prüfverfahren für Pigmente und Füllstoffe - Teil  
14: Bestimmung des spezifischen Widerstandes des  
wässrigen Extraktes (ISO 787-14:1973)

This European Standard was approved by CEN on 27 July 2001.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 787-14:2001 (E)

## Foreword

The text of the International Standard from Technical Committee ISO/TC 35 "Paints and varnishes" of the International Organization for Standardization (ISO) has been taken over as an European Standard by 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 February 2002, and conflicting national standards shall be withdrawn at the latest by February 2002.

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

**NOTE FROM CMC** The foreword is susceptible to be amended on reception of the German language version. The confirmed or amended foreword, and when appropriate, the normative annex ZA for the references to international publications with their relevant European publications will be circulated with the German version.

### Endorsement notice

The text of the International Standard ISO 787-14:1973 has been approved by CEN as a European Standard without any modification.

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**INTERNATIONAL STANDARD**



**787**

**PARTS XIII TO XVIII**

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## **General methods of test for pigments — Parts XIII to XVIII**

First edition — 1973-11-01

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**UDC 667.622 : 620.1**

**Ref. No. ISO 787/XIII TO XVIII-1973 (E)**

**Descriptors** : paints, pigments, tests, chemical analysis, determination of content, sulphates, chlorides, nitrates, physical tests, electrical conductivity, colour fastness, daylight resistance, colouring power, lightening power, fineness, sieve analysis.

Price based on 17 pages

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 787/XIII to XVIII (originally Draft International Standard ISO/DIS 2304) was drawn up by Technical Committee ISO/TC 35, *Paints and varnishes*, and circulated to the Member Bodies in April 1971.

It has been approved by the Member Bodies of the following countries:

Austria	Italy	Sweden
Egypt, Arab Rep. of	Netherlands	Switzerland
France	New Zealand	Turkey
Germany	Poland	United Kingdom
India	Romania	
Israel	South Africa, Rep. of	

No Member Body expressed disapproval of the document.

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Printed in Switzerland

The purpose of this International Standard is to establish a series of general test methods for pigments which are suitable for all or many of the individual pigments for which specifications might be required. In such cases, a cross-reference to the general method should be included in the International Standard relating to that pigment, with a note of any detailed modifications which might be needed in view of the special properties of the pigment in question.

Committee ISO/TC 35 decided that all the general methods should be published in convenient groups as they become available, as parts of a single International Standard, in order to emphasize the relationship of each to the whole series.

The Committee also decided that, where two or more procedures were widely used for determining the same or a similar characteristic of a pigment, there would be no objection to including more than one of them in the ISO series. In such cases it will, however, be essential to state clearly in a specification which method is to be used, and in the test report, which method has been used.

Parts of the series already published are as follows :

Part I : Comparison of colour

Part II : Determination of matter volatile at 105 °C

Part III : Determination of matter soluble in water (Hot extraction method)

Part IV : Determination of acidity or alkalinity of the aqueous extract

Part V : Determination of oil absorption value

Part VI : Determination of residue on sieve (Oil method)

Part VII : Determination of residue on sieve (Water method)

Part VIII : Determination of matter soluble in water (Cold extraction method)

Part IX : Determination of pH value of an aqueous suspension

Part X : Determination of density relative to water at 4 °C

Part XI : Determination of tamped volume

Part XII : Visual comparison of hue of powered white pigment (Hollow cone method)

The present document contains the following parts :

Part XIII : Determination of water-soluble sulphates, chlorides and nitrates

Part XIV : Determination of resistivity of aqueous extract

Part XV : Comparison of resistance of coloured pigments of similar types to light from a specified light source

Part XVI : Comparison of relative tinting strength (or equivalent colouring value) and colour on reduction in linseed stand oil using the automatic muller

Part XVII : Comparison of lightening power of white pigments

Part XVIII : Determination of residue on sieve by a mechanical flushing procedure



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