

**SLOVENSKI STANDARD
SIST EN ISO 787-16:1997****01-december-1997**

Splošne metode preskušanja pigmentov in polnil - 16. del: Določanje relativne barvne jakosti in barve po rezanju barvastih pigmentov - Vidna primerjalna metoda (ISO 787-16:1986)

General methods of test for pigments and extenders - Part 16: Determination of relative tinting strength (or equivalent colouring value) and colour on reduction of coloured pigments - Visual comparison method (ISO 787-16:1986)

Allgemeine Prüfverfahren für Pigmente und Füllstoffe - Teil 16: Bestimmung der relativen Farbstärke (oder des Färbeäquivalentes) und der Farben Weißaufhellung von Buntpigmenten - Visuelles Angleichverfahren (ISO 787-16:1986)

[SIST EN ISO 787-16:1997](https://standards.iteh.ai/catalog/standards/sist/369c15f5-f20f-48b6-9551-369c15f5-f20f-48b6-9551)

Méthodes générales d'essai des pigments et matières de charge - Partie 16: Détermination du pouvoir colorant relatif (ou valeur de coloration équivalente) et de la couleur dégradée des pigments colorés - Méthode de comparaison visuelle (ISO 787-16:1986)

Ta slovenski standard je istoveten z: EN ISO 787-16:1995

ICS:

87.060.10 Pigmenti in polnila Pigments and extenders

SIST EN ISO 787-16:1997 en

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[SIST EN ISO 787-16:1997](#)

<https://standards.iteh.ai/catalog/standards/sist/369c15f5-f20f-48b6-9551-f3aed918078a/sist-en-iso-787-16-1997>

EUROPEAN STANDARD

EN ISO 787-16

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 1995

ICS 87.060.10

Descriptors: paints, pigments, extenders, tests, determination, colouring power, comparison analysis

English version

General methods of test for pigments and extenders - Part 16: Determination of relative tinting strength (or equivalent colouring value) and colour on reduction of coloured pigments - Visual comparison method (ISO 787-16:1986)

Méthodes générales d'essai des pigments et matières de charge - Part 16: Détermination du pouvoir colorant relatif (ou valeur de coloration équivalente) et de la couleur dégradée des pigments colorés - Méthode de comparaison visuelle (ISO 787-16:1986)

Allgemeine Prüfverfahren für Pigmente und Füllstoffe - Teil 16: Bestimmung der relativen Farbstärke (oder des Farbeäquivalentes) und der Farbe in Weißaufhellung von Buntpigmenten - Visuelles Angleichverfahren (ISO 787-16:1986)

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This European Standard was approved by CEN on 1995-03-23. 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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

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

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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EN ISO 787-16:1995

Foreword

The text of the International Standard from ISO/TC 35 "Paints and varnishes" of the International Organization for Standardization (ISO) has been taken over as a European Standard by the Technical Committee CEN/TC 298 "Pigments and extenders".

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 1996, and conflicting national standards shall be withdrawn at the latest by February 1996.

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

Endorsement notice

The text of the International Standard ISO 787-16:1986 has been approved by CEN as a European Standard without any modification.

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NOTE: Normative references to International publications are listed in annex ZA (normative).

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Annex ZA (normative)**Normative references to international publications
with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 1524	1983	Paints and varnishes - Determination of fineness of grind	EN 21524	1991
ISO 3219	1993	Plastics - Polymers/resins in the liquid state or as emulsions or dispersions - Determination of viscosity using a rotation viscometer with defined shear rate	EN ISO 3219	1994

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International Standard 787/16

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

General methods of test for pigments and extenders — Part 16: Determination of relative tinting strength (or equivalent colouring value) and colour on reduction of coloured pigments — Visual comparison method

Méthodes générales d'essai des pigments et matières de charge — Partie 16: Détermination du pouvoir colorant relatif (ou valeur de coloration équivalente) et de la couleur dégradée des pigments colorés — Méthode de comparaison visuelle

Second edition — 1986-11-01

[SIST EN ISO 787-16:1997](https://standards.iteh.ai/catalog/standards/sist/369c15f5-f20f-48b6-9551-baed918078a/sist-en-iso-787-16-1997)

<https://standards.iteh.ai/catalog/standards/sist/369c15f5-f20f-48b6-9551-baed918078a/sist-en-iso-787-16-1997>

UDC 667.622 : 620.1 : 535.668.2

Ref. No. ISO 787/16-1986 (E)

Descriptors: paints, pigments, tests, determination, colouring power, comparison analysis.

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.

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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 787/16 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 787/XVI:1973), clauses 0, 1, 3, 4, 5, 10 of which have been technically revised.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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The purpose of this International Standard is to establish a series of general test methods for pigments and extenders which are suitable for all or many of the individual pigments and extenders 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 or extender, with a note of any detailed modifications which might be needed in view of the special properties of the product in question.

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

The Technical Committee also decided that, where two or more procedures were widely used for determining the same or a similar characteristic of a pigment or extender, 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.

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Parts of the series already published are as follows:

[https://standards.iteh.ai/catalog/standards/sist/369c15b-120f-4866-9551-](https://standards.iteh.ai/catalog/standards/sist/369c15b-120f-4866-9551-baed918078a/sist-en-iso-787-16-1997)

[Baed918078a/sist-en-iso-787-16-1997](https://standards.iteh.ai/catalog/standards/sist/369c15b-120f-4866-9551-baed918078a/sist-en-iso-787-16-1997)

- Part 1 : Comparison of colour of pigments
- Part 2 : Determination of matter volatile at 105 °C
- Part 3 : Determination of matter soluble in water — Hot extraction method
- Part 4 : Determination of acidity or alkalinity of the aqueous extract
- Part 5 : Determination of oil absorption value
- Part 7 : Determination of residue on sieve — Water method — Manual procedure
- Part 8 : Determination of matter soluble in water — Cold extraction method
- Part 9 : Determination of pH value of an aqueous suspension
- Part 10 : Determination of density — Pyknometer method
- Part 11 : Determination of tamped volume and apparent density after tamping
- Part 13 : Determination of water-soluble sulphates, chlorides and nitrates
- Part 14 : Determination of resistivity of aqueous extract
- Part 15 : Comparison of resistance to light of coloured pigments of similar types
- Part 16 : Determination of relative tinting strength (or equivalent colouring value) and colour on reduction of coloured pigments — Visual comparison method
- Part 17 : Comparison of lightening power of white pigments
- Part 18 : Determination of residue on sieve — Mechanical flushing procedure
- Part 19 : Determination of water-soluble nitrates — Salicylic acid method
- Part 20 : Comparison of ease of dispersion — Oscillatory shaking method
- Part 21 : Comparison of heat stability of pigments using a stoving medium
- Part 22 : Comparison of resistance to bleeding of pigments
- Part 23 : Determination of density (using a centrifuge to remove entrained air)
- Part 24 : Determination of relative tinting strength of coloured pigments and relative scattering power of white pigments — Photometric methods