ICS 87.060.10 SLOVENSKÁ TECHNICKÁ NORMA September 2019

STN	**Všeobecné metódy skúšania pigmentov a plnidiel Časť 25: Porovnanie farby v úplne tónovaných systémoch bielych, čiernych a farebných pigmentov Kolorimetrická metóda (ISO 787-25: 2019)**	**STN EN ISO 787-25** 67 0520

General methods of test for pigments and extenders - Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments - Colorimetric method (ISO 787-25:2019)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/19

Obsahuje: EN ISO 787-25:2019, ISO 787-25:2019

Oznámením tejto normy sa ruší
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EUROPEAN STANDARD

NORME EUROPÉENNE

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EN ISO 787-25

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ICS 87.060.10

Supersedes EN ISO 787-25:2006

English Version

General methods of test for pigments and extenders - Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments - Colorimetric method (ISO 787-25:2019)

Méthodes générales d'essai des pigments et matières de charge - Partie 25: Comparaison, dans les systèmes monopigmentaires, de la couleur des pigments blancs, noirs et colorés - Méthode colorimétrique (ISO 787-25:2019)

Allgemeine Prüfverfahren für Pigmente und Füllstoffe - Vergleich der Farbe von Weiß-, Schwarz- und Buntpigmenten in Purton-Systemen - Teil 25: Farbmetrisches Verfahren (ISO 787-25:2019)

This European Standard was approved by CEN on 15 February 2019.

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

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European foreword

This document (EN ISO 787-25:2019) has been prepared by Technical Committee ISO/TC 256 "Pigments, dyestuffs and extenders" 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of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

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

This document supersedes EN ISO 787-25:2006.

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 787-25:2019 has been approved by CEN as EN ISO 787-25:2019 without any modification.

INTERNATIONAL STANDARD

ISO 787-25

Second edition
2019-02

General methods of test for pigments and extenders —

Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments — Colorimetric method

Méthodes générales d'essai des pigments et matières de charge —

Partie 25: Comparaison, dans les systèmes monopigmentaires, de la couleur des pigments blancs, noirs et colorés — Méthode colorimétrique

Reference number
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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 256, *Pigments, dyestuffs and extenders*.

This second edition cancels and replaces the first edition (ISO 787-25:1993), which has been technically revised. The main changes compared to the previous edition are as follows:

— Clause 3 has been revised and terms and definitions for full shade, mass tone and mass tone system have been added/revised;

— the normative references have been updated;

— the text has been editorially revised.

A list of all parts in the ISO 787 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

INTERNATIONAL STANDARD **ISO 787-25:2019(E)**

General methods of test for pigments and extenders —

Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments — Colorimetric method

1 Scope

This document specifies a general test method for comparing the colour, in full-shade systems, of white, black or coloured pigments with that of an agreed reference pigment, using a colorimetric procedure.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 787-9, *General methods of test for pigments and extenders — Part 9: Determination of pH value of an aqueous suspension*

ISO 787-24, *General methods of test for pigments and extenders — Part 24: Determination of relative tinting strength of coloured pigments and relative scattering power of white pigments — Photometric methods*

ISO 2114, *Plastics (polyester resins) and paints and varnishes (binders) — Determination of partial acid value and total acid value*

ISO 3219, *Plastics — Polymers/resins in the liquid state or as emulsions or dispersions — Determination of viscosity using a rotational viscometer with defined shear rate*

ISO 3262-20, *Extenders for paints — Specifications and methods of test — Part 20: Fumed silica*

ISO 4629-1, *Binders for paints and varnishes — Determination of hydroxyl value — Part 1: Titrimetric method without using a catalyst*

ISO 8780-6, *Pigments and extenders — Methods of dispersion for assessment of dispersion characteristics — Part 6: Dispersion using a triple-roll mill*

ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling*

ISO 18314-1, *Analytical colorimetry — Part 1: Practical colour measurement*

ISO 18314-2, *Analytical colorimetry — Part 2: Saunderson correction, solutions of the Kubelka-Munk equation, tinting strength, hiding power*

ISO 18451-1, *Pigments, dyestuffs and extenders — Terminology — Part 1: General Terms*

ISO 18451-2, *Pigments, dyestuffs and extenders — Terminology — Part 2: Classification of colouring materials according to colouristic and chemical aspects*

