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General methods of test for pigments and extenders - Part 14: Determination of resistivity of aqueous extract (ISO 787-14:2019)

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

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EN ISO 787-14

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ICS 87.060.10

Supersedes EN ISO 787-14:2002

English Version

General methods of test for pigments and extenders - Part 14: Determination of resistivity of aqueous extract (ISO 787-14:2019)

Méthodes générales d'essai des pigments et matières de charge - Partie 14: Détermination de la résistivité de l'extrait aqueux (ISO 787-14:2019)

Allgemeine Prüfverfahren für Pigmente und Füllstoffe - Teil 14: Bestimmung des spezifischen Widerstandes des wässrigen Extraktes (ISO 787-14:2019)

This European Standard was approved by CEN on 1 March 2019.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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European foreword

This document (EN ISO 787-14:2019) 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of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.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.

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Endorsement notice

The text of ISO 787-14:2019 has been approved by CEN as EN ISO 787-14:2019 without any modification.

INTERNATIONAL STANDARD

ISO 787-14

Third edition
2019-03

General methods of test for pigments and extenders —

Part 14: Determination of resistivity of aqueous extract

Méthodes générales d'essai des pigments et matières de charge —
Partie 14: Détermination de la résistivité de l'extrait aqueux

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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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

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

This third edition cancels and replaces the second edition (ISO 787-14:2002), which has been technically revised. The main changes compared to the previous edition are as follows:

— in Clause 3, a reference to ISO 18451-1 has been added;

— methanol as wetting agent has been replaced by ethanol;

— the former Clause 6 “Determination of cell constant” including Figure 1 has been replaced by Clause 7 “Preparation of conductivity meter”;

— the procedure has been replaced by a new method: it is no longer distinguished between hydrophilic and hydrophobic pigments;

— the text has been editorially revised and the normative references has been updated.

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 787-14:2019(E)**

General methods of test for pigments and extenders —

Part 14:
Determination of resistivity of aqueous extract

1 Scope

This document specifies a general method of test for determining the electric resistivity (specific electric resistance) or the specific electric conductivity, respectively, of the aqueous extract of a pigment. The method is applicable to all pigments and extenders, except pigments that are soluble in water.

The resistivity of the aqueous extract of a pigment is considered as a property independent of the amount of water-soluble matter. If agreed, a cold extraction method can be used.

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

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