General methods of test for pigments and extenders -Part 13: Determination of water-soluble sulfates, chlorides and nitrates (ISO 787-13:2019)



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 787-13:2019 sisaldab Euroopa standardi EN ISO 787-13:2019 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 787-13:2019 consists of the English text of the European standard EN ISO 787-13:2019.		
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.		
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ICS 87.060.10

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EUROPEAN STANDARD

NORME EUROPÉENNE

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EN ISO 787-13

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Supersedes EN ISO 787-13:2002

English Version

General methods of test for pigments and extenders - Part 13: Determination of water-soluble sulfates, chlorides and nitrates (ISO 787-13:2019)

Méthodes générales d'essai des pigments et matières de charge - Partie 13: Détermination des sulfates, chlorures et nitrates solubles dans l'eau (ISO 787-13:2019) Allgemeine Prüfverfahren für Pigmente und Füllstoffe -Teil 13: Bestimmung der wasserlöslichen Sulfate, Chloride und Nitrate (ISO 787-13:2019)

This European Standard was approved by CEN on 9 August 2019.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

This document (EN ISO 787-13:2019) 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of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.

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 787-13:2002.

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Endorsement notice

The text of ISO 787-13:2019 has been approved by CEN as EN ISO 787-13:2019 without any modification.

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Foreword

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

This third edition cancels and replaces the second edition (ISO 787-13:2002), of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

- Clause 3 on "Terms and definitions", with a general reference to ISO 18451-1, has been added;
- CAS numbers have been added to the reagents;
- the bibliography has been added;
- 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.

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General methods of test for pigments and extenders —

Part 13:

Determination of water-soluble sulphates, chlorides and nitrates

1 Scope

This document specifies a general method of test for determining the water-soluble sulphates, chlorides and nitrates of pigments.

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

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 18451-1 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at https://www.iso.org/obp
- IEC Electropedia: available at http://www.electropedia.org/

4 Reagents

All reagents used shall be of recognized analytical reagent quality. Distilled water, or water of equivalent purity, shall be used.

- **4.1 Hydrochloric acid**, $\rho = 1.18 \text{ g/cm}^3$ (CAS-No 7647-01-0).
- **4.2 Silver nitrate**, 0,01 mol/l standard volumetric solution (CAS-No 7761-88-8).
- **4.3 Ammonium chloride solution**, 17,2 mg/l (CAS-No 12125-02-9).
- **4.4 Sodium hydroxide solution**, 200 g/l (CAS-No 1310-73-2).
- **4.5 Barium chloride solution**, 50 g/l (CAS-No 10361-37-2).
- **4.6 Potassium chromate solution**, 50 g/l (CAS-No 7789-00-6).
- **4.7 Devarda's alloy**, powdered.