



**SLOVENSKI STANDARD
SIST EN ISO 3262-19:2021**

01-junij-2021

Nadomešča:

SIST EN ISO 3262-19:2001

Polnila - Specifikacije in preskusne metode - 19. del: Oborjeni silicijev dioksid (ISO 3262-19:2021)

Extenders - Specifications and methods of test - Part 19: Precipitated silica (ISO 3262-19:2021)

Füllstoffe - Anforderungen und Prüfverfahren - Teil 19: Gefällte Kieselsäure (ISO 3262-19:2021)

Matières de charge - Spécifications et méthodes d'essai - Partie 19: Silice précipitée (ISO 3262-19:2021)

<https://standards.iteh.ai/catalog/standards/sist/ee42109d-ad4a-4e8f-b2af-e3f54b3386c1/sist-en-iso-3262-19-2021>

Ta slovenski standard je istoveten z: EN ISO 3262-19:2021

ICS:

87.060.10 Pigmenti in polnila Pigments and extenders

SIST EN ISO 3262-19:2021

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 3262-19:2021](#)

<https://standards.iteh.ai/catalog/standards/sist/ee42109d-ad4a-4e8f-b2af-e3f54b3386c1/sist-en-iso-3262-19-2021>

EUROPEAN STANDARD

EN ISO 3262-19

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2021

ICS 87.060.10

Supersedes EN ISO 3262-19:2000

English Version

Extenders - Specifications and methods of test - Part 19: Precipitated silica (ISO 3262-19:2021)

Matières de charge - Spécifications et méthodes d'essai
- Partie 19: Silice précipitée (ISO 3262-19:2021)

Füllstoffe - Anforderungen und Prüfverfahren - Teil 19:
Gefällte Kieselsäure (ISO 3262-19:2021)

This European Standard was approved by CEN on 19 March 2021.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/ee42109d-ad4a-4e8f-b2af-e3f54b3386c1/sist-en-iso-3262-19-2021>



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

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

Contents	Page
European foreword.....	3

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 3262-19:2021](https://standards.iteh.ai/catalog/standards/sist/ee42109d-ad4a-4e8f-b2af-e3f54b3386c1/sist-en-iso-3262-19-2021)
<https://standards.iteh.ai/catalog/standards/sist/ee42109d-ad4a-4e8f-b2af-e3f54b3386c1/sist-en-iso-3262-19-2021>

European foreword

This document (EN ISO 3262-19:2021) 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 October 2021, and conflicting national standards shall be withdrawn at the latest by October 2021.

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 3262-19:2000.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

iTeh STANDARD PREVIEW
Endorsement notice
(standards.iteh.ai)

The text of ISO 3262-19:2021 has been approved by CEN as EN ISO 3262-19:2021 without any modification.

[SIST EN ISO 3262-19:2021
https://standards.iteh.ai/catalog/standards/sist/ee42109d-ad4a-4e8f-b2af-e3f54b3386c1/sist-en-iso-3262-19-2021](https://standards.iteh.ai/catalog/standards/sist/ee42109d-ad4a-4e8f-b2af-e3f54b3386c1/sist-en-iso-3262-19-2021)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 3262-19:2021](#)

<https://standards.iteh.ai/catalog/standards/sist/ee42109d-ad4a-4e8f-b2af-e3f54b3386c1/sist-en-iso-3262-19-2021>

INTERNATIONAL
STANDARD

ISO
3262-19

Second edition
2021-03

**Extenders — Specifications and
methods of test —**

**Part 19:
Precipitated silica**

Matières de charge — Spécifications et méthodes d'essai —

Partie 19: Silice précipitée
iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 3262-19:2021](https://standards.iteh.ai/catalog/standards/sist/ee42109d-ad4a-4e8f-b2af-e3f54b3386c1/sist-en-iso-3262-19-2021)

<https://standards.iteh.ai/catalog/standards/sist/ee42109d-ad4a-4e8f-b2af-e3f54b3386c1/sist-en-iso-3262-19-2021>



Reference number
ISO 3262-19:2021(E)

© ISO 2021

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 3262-19:2021

<https://standards.iteh.ai/catalog/standards/sist/ee42109d-ad4a-4e8f-b2af-e3f54b3386c1/sist-en-iso-3262-19-2021>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword.....	iv
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Requirements and test methods.....	2
5 Sampling.....	2
6 Determination of silica content.....	2
6.1 Principle.....	2
6.2 Reagents.....	3
6.3 Apparatus.....	3
6.4 Procedure.....	4
6.4.1 Number of determinations.....	4
6.4.2 Test portion.....	4
6.4.3 Determination.....	4
6.4.4 Determination of the total loss on ignition.....	4
6.5 Expression of results.....	5
6.6 Precision.....	5
6.6.1 Repeatability, r	5
6.6.2 Reproducibility, R	5
7 Determination of carbon content.....	5
7.1 Principle.....	5
7.2 Reagents and materials.....	6
7.3 Apparatus.....	6
7.4 Procedure.....	6
7.4.1 Preparation of apparatus.....	6
7.4.2 Calibration.....	7
7.4.3 Determination.....	7
7.5 Expression of results.....	7
7.6 Precision.....	7
8 Determination of residue on sieve.....	7
8.1 Principle.....	7
8.2 Materials.....	8
8.3 Apparatus.....	8
8.4 Procedure.....	8
8.4.1 Number of determinations.....	8
8.4.2 Test portion.....	8
8.4.3 Determination.....	8
8.5 Expression of results.....	9
8.6 Precision.....	9
9 Test report.....	9
Bibliography.....	10

ISO 3262-19:2021(E)

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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

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, dyestuff and extenders*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 298, *Pigments and extenders*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 3262-19:2000), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the main title has been changed from "Extenders for paints" to "Extenders";
- in [Table 1](#), carbon content has been revised and organic surface has been refined;
- in [6.3.8](#), magnesium perchlorate has been changed to an example for a desiccant;
- in [7.2.3](#), suitable examples for carbon steel have been added;
- the text has been editorially revised and the normative references have been updated.

A list of all parts in the ISO 3262 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.

Extenders — Specifications and methods of test —

Part 19: Precipitated silica

1 Scope

This document specifies requirements and corresponding methods of test for precipitated silica.

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 787-2, *General methods of test for pigments and extenders — Part 2: Determination of matter volatile at 105 °C*

ISO 787-5, *General methods of test for pigments and extenders — Part 5: Determination of oil absorption value*

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

ISO 787-11, *General methods of test for pigments and extenders — Part 11: Determination of tamped volume and apparent density after tamping*

ISO 3262-1, *Extenders — Specifications and methods of test — Part 1: Introduction and general test methods*

ISO 3696, *Water for analytical laboratory use — Specification and test methods*

ISO 5794-1:2010, *Rubber compounding ingredients — Silica, precipitated, hydrated — Part 1: Non-rubber tests*

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 and the following 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/>

3.1

precipitated silica

amorphous silica precipitated by reaction of sodium silicate solution with a mineral acid and/or carbon dioxide