

~~ISO/DIS FDIS 3262-17:2023(E)~~

~~2023-08-01~~

~~ISO/TC-256/AVG-3~~

~~Secretariat: DIN~~

~~Date: 2023-09-27~~

**Style Definition** ...

**Formatted:** Left: 53.85 pt, Right: 53.85 pt, Bottom: 28.35 pt, Gutter: 0 pt, Section start: New page, Header distance from edge: 36 pt, Footer distance from edge: 36 pt

**Formatted:** Font: 14 pt, Bold, English (United Kingdom)

**Formatted:** zzCover large

**Formatted** ...

**Formatted** ...

**Formatted:** Space After: 0 pt, Adjust space between Latin and Asian text, Adjust space between Asian text and numbers

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

**Part 17:  
Precipitated calcium silicate**

*Matières de charge — Spécifications et méthodes d'essai —*

*Partie 17: Silicate de calcium précipité*

**Formatted:** Cover Title\_A2, Adjust space between Latin and Asian text, Adjust space between Asian text and numbers

**Formatted** ...

iTeh Standards  
(<https://standards.itih.ai>)  
Document Preview

ISO/FDIS 3262-17

<https://standards.itih.ai/catalog/standards/sist/cac047ae-59e9-45c9-a3d3-9e46c0c89f15/iso-fdis-3262-17>

**FDIS stage**

Formatted: Font: Bold

Formatted: Font: Bold

© ISO 2023

Formatted: Default Paragraph Font

Formatted: Default Paragraph Font

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.

Formatted: Indent: Left: 0 pt, Right: 0 pt, Space Before: 0 pt, No page break before, Adjust space between Latin and Asian text, Adjust space between Asian text and numbers

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

Email: [copyright@iso.org](mailto:copyright@iso.org)

Website: [www.iso.org](http://www.iso.org)

Formatted: French (Switzerland)

Formatted: French (Switzerland)

Formatted: French (Switzerland)

Formatted: English (United Kingdom)

Formatted: English (United Kingdom)

Published in Switzerland

# iTeh Standards (<https://standards.itih.ai>) Document Preview

ISO/FDIS 3262-17

<https://standards.itih.ai/catalog/standards/sist/cac047ae-59e9-45c9-a3d3-9e46c0c89f15/iso-fdis-3262-17>

Formatted: Font: 11 pt

Formatted: Font: 11 pt

Formatted: Space After: 0 pt, Line spacing: single

Formatted: Font: 11 pt

Contents

Foreword .....v

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

7 Determination of the composition by spectrometry.....5

7.1 Principle.....5

7.2 Reagents and materials .....6

7.3 Apparatus.....6

7.4 Procedure.....7

7.4.1 Preparation of standard matching solutions.....7

7.4.2 Spectrometric measurement.....7

7.4.3 Calibration graph.....9

7.4.4 Preparation of the test solution .....9

7.4.5 Determination .....9

7.5 Expression of results .....9

7.5.1 Concentration of Ca, Na and Si.....9

7.5.2 Calculation of the oxide content for each element.....9

7.6 Precision .....10

8 Determination of residue on sieve.....10

8.1 Principle.....10

8.2 Materials.....10

8.3 Apparatus.....10

8.4 Procedure.....11

8.4.1 Number of determinations.....11

8.4.2 Test portion .....11

Formatted: Font: Bold

Formatted: Left

Formatted: Font: Bold

Formatted: Font: 11 pt

Formatted: Font: 11 pt

Formatted: Space After: 0 pt, Line spacing: single

Formatted: Font: 11 pt

Formatted: Font: 11 pt

Formatted: Font: Bold

Formatted: Font: Bold

8.4.3 Determination ..... 11  
8.5 Expression of results ..... 11  
8.6 Precision ..... 11  
9 Test report ..... 11

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 — 2  
6.3 Apparatus — 3  
6.4 Procedure — 3  
6.5 Expression of results — 5  
6.6 Precision — 5  
7 Determination of the composition by spectrometry — 5  
7.1 Principle — 5  
7.2 Reagents and materials — 6  
7.3 Apparatus — 6  
7.4 Procedure — 7  
7.5 Expression of results — 8  
7.6 Precision — 9  
8 Determination of residue on sieve — 10  
8.1 Principle — 10  
8.2 Materials — 10  
8.3 Apparatus — 10  
8.4 Procedure — 10  
8.5 Expression of results — 10  
8.6 Precision — 11  
9 Test report — 11

iTeh Standards  
(<https://standards.itih.ai>)  
Document Preview

ISO/FDIS 3262-17

<https://standards.itih.ai/catalog/standards/sist/cac047ae-59e9-45c9-a3d3-9e46c0c89f15/iso-fdis-3262-17>

Formatted: Font: 11 pt

Formatted: Font: 11 pt

Formatted: Space After: 0 pt, Line spacing: single

Formatted: Font: 11 pt

Formatted: Font: Bold

Formatted: Left

Formatted: Font: Bold

## 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 document 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](http://www.iso.org/directives)).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights.

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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 256, *Pigments, dyestuffs 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 3262-17:2000), which has been technically revised.

The main changes are as follows:

- the first part of the title has been changed to "Extenders";
- ISO 19246 has been added as an alternative test method for oil absorption value in [Table 2](#); [Table 2](#);
- ISO 13320 has been added as test method for particle size distribution in [Table 3](#); [Table 3](#);
- DIN 53163 has been added as test method for lightness (standard value Y) in [Table 3](#); [Table 3](#);
- CAS-numbers have been added to all reagents used for the test methods specified;
- the normative references have been updated.

A list of all parts in the ISO 3262 series can be found on the ISO website.

Formatted: Font: 11 pt

Formatted: Font: 11 pt

Formatted: Space After: 0 pt, Line spacing: single

Formatted: Font: 11 pt

Formatted: Font: 11 pt

**ISO/~~DIS~~ FDIS 3262-17:2023(E)**

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](http://www.iso.org/members.html).

Formatted: Font: Bold

Formatted: Font: Bold

Formatted: English (United Kingdom)

Field Code Changed

# iTeh Standards (<https://standards.itih.ai>) Document Preview

ISO/FDIS 3262-17

<https://standards.itih.ai/catalog/standards/sist/cac047ae-59e9-45c9-a3d3-9e46c0c89f15/iso-fdis-3262-17>

Formatted: Font: 11 pt

Formatted: Font: 11 pt

Formatted: Space After: 0 pt, Line spacing: single

Formatted: Font: 11 pt