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Ophthalmic optics — Contact lenses — Part 4: Physicochemical properties of contact lens materials

Optique ophtalmique — Lentilles de contact —

*Partie 4: Propriétés physicochimiques des matériaux des lentilles
de contact*



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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 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 172, *Optics and photonics*, Subcommittee SC 7, *Ophthalmic optics and instruments*.

This second edition cancels and replaces the first edition (ISO 18369-4:2006), which has been technically revised.

A list of all parts in the ISO 18369 series can be found on the ISO website.

This corrected version of ISO 18369-4:2017 incorporates the following corrections.

- “lens” has been replaced by “contact lens” throughout the text.
- “saline” has been replaced by “saline solution” throughout the text.
- In 4.1, “repeatability and reproducibility” has been added before (R&R) to improve clarity.
- In 4.3.2.1, “single vision” has been replaced by “single-vision”.
- In 4.3.5, “lens ruptures” has been replaced by “sample ruptures”.
- In 4.5.2, “D line” has been replaced by “D-line”.
- In 4.5.4.2.2, “4.5.4.1” has been replaced by “4.5.4.1.3”, and “4.5.4.2” has been replaced by “4.5.4.2.1”.
- In A.7.1, “Figure A.1” has been replaced by “Figure A.2” in two instances.
- In A.7.2, “sample” has been replaced by “test sample” in three instances.
- In A.9.7, “(p_A)” has been replaced by “ p_A ”.
- In Figure A.2, Key 2, “anterior chamber” has been replaced by “anterior environmental chamber”.
- In Figure A.2, Key 3, “posterior chamber” has been replaced by “posterior environmental chamber”.

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- In Annex C, “lens” has been replaced by “hydrogel contact lens”.
- In D.2, “critical angle” has been replaced by “critical angle of incidence”.
- “may” has been replaced by “can” in
 - 4.2.1;
 - 4.2.2;
 - 4.3.1, second sentence, first “may”;
 - 4.4.1, third paragraph, last sentence;
 - 4.4.3.5.1, second sentence;
 - 4.4.3.5.2, NOTE;
 - A.9.5, fifth sentence.
- Additional minor editorial changes have been made to improve clarity.