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Second edition
2023-07

Optics and optical instruments — Test lenses for calibration of focimeters —

Part 1: Reference lenses for focimeters used for measuring spectacle lenses

Optique et instruments d'optique — Verres étalons pour l'étalonnage des frontofocomètres —

Partie 1: Verres de référence pour frontofocomètres pour le mesurage des verres de lunettes

Reference number
ISO 9342-1:2023(E)

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Published in Switzerland

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Foreword

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This document was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 7, *Ophthalmic optics and instruments,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 170, *Ophthalmic optics,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 9342-1:2005), which has been technically revised.

The main changes are as follows:

— use of the term "reference lens" to denote these high precision test lenses;

— use of the term "verified power" instead of "conventional power";

— the addition of the spherocylindrical-power reference lens and, with some modification to tolerances, reference filters that were added to ISO 8598-1 during its last revision;

— the optional addition of low power spherical reference lenses;

— editorial revision and clarification of Annex A on the design of reference spherical lenses

— the addition of annexes on the design and validation of prismatic reference lenses and the validation of the cylindrical reference lens.

A list of all parts in the ISO 9342 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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