



# Raw optical glass — Powder test method for the water resistance of optical glass — Test method and classification

*Verre optique brut — Méthode d'essai sur poudre pour déterminer la résistance à l'eau du verre optique — Méthode d'essai et classification*

**ISO 21575**

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This document was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 3, *Optical materials and components*.

This second edition cancels and replaces the first edition (ISO 21575:2018), which has been technically revised.

The main changes are as follows:

- change of title;
- the term “weight” has been changed to “mass” in the entire document;
- [5.1](#) and [6.1](#) have been added;
- [Figure 3](#) has been added;
- the information required for the test report has been revised;
- editorial changes;
- the term “specific gravity” has been changed to “mass density” in [Clause 7 b\)](#) and [Clause 8 a\)](#) and the formula for calculating mass density from specific gravity has been added as a note in [Clause 7 b\)](#).

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There are two commonly used methods for testing the chemical resistance of optical glass: The powder method and the surface method. The powder method has simpler procedures for the sample preparation since it does not require a homogeneously polished surface.