



International
Standard

ISO 17191

**Urine-absorbing products for
incontinence — Measurement of
airborne respirable polyacrylate
superabsorbent materials —
Determination of dust in collection
cassettes by sodium atomic
absorption spectrometry**

**Second edition
2026-07**

*Produits pour absorption d'urine — Dosage des particules
respirables de matériaux superabsorbants de polyacrylate en
suspension dans l'air — Dosage de la poussière dans des cassettes
par spectrométrie à absorption atomique du sodium*

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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.

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This document was prepared by Technical Committee ISO/TC 173, *Assistive products*, Subcommittee SC 3, *Products for ostomy and incontinence*.

This second edition cancels and replaces the first edition (ISO 17191:2004), which has been technically revised.

The main changes are as follows:

- clarification of test procedures.

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.

Introduction

This document was originally developed by the European Nonwovens Association (EDANA) as one of an eleven-part series of test methods. It specifies a test method for determining the amount of airborne dust emanating from polyacrylate superabsorbent material. The other test methods in the original EDANA series have been transformed into International Standards as the ISO 17190 series [1]. The documents in the ISO 17190 series [1] series differ from this document in that they cover test methods for the characterization of polymer-based absorbent materials.

This test method has been in practical use for several years, and has proven to be reliable with respect to common criteria of quality of test methods (validity, repeatability, etc.).

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