



Methods for sampling and analysis of ambient air

Method 2.2.2.10 **This is a preview. Click here to purchase the full publication.**
continuous direct mass method using a tapered element containing
microbalance analyser



AS 3580.9.8:2022

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ACT Health
Australian Aluminium Council
Australian Industry Group
Australian Institute of Refrigeration Air Conditioning and Heating
Clean Air Society of Australia & New Zealand
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Department of Planning, Industry and Environment, NSW
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Methods for sampling and analysis of ambient air

Method 9.8: Determination of suspended particulate matter — ~~PM₁₀ continuous direct~~
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oscillating microbalance analyser

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Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee EV-007, Methods for Examination of Air, to supersede AS 3580.9.8:2008.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this document as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this document is to provide regulatory and testing bodies with a standard method for continuously monitoring suspended particulate matter with an equivalent aerodynamic diameter (EAD) of less than 10 μm (PM_{10}) in ambient air, providing near real time measurement of mean particle concentration.

The major changes in this edition are as follows:

- (a) Align with current technology and to ensure consistency and uniformity across the different methods used in other continuous particulate monitoring Standards.
- (b) Provide an essential reference to AS 3580.19

The requirements are given in the United States Environmental Protection Agency (US EPA) Code of Federal Regulations, Title 40 Protection of Environment, Part 53 Ambient Air Monitoring Reference and Equivalent Methods (40 CFR 53), Subpart D Procedures for Testing Performance Characteristics of Methods for PM_{10} .

The terms “normative” and “informative” are used in Standards to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

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