

Table of AM-coded methods for ambient air monitoring

Use these methods for sampling and analysis wherever an AM-coded method is listed in a condition on:

- an environment protection licence
- a notice
- any other statutory instrument, such as a development consent or planning approval.

Table A General methods for ambient air monitoring (AM)

Method no.	Parameter measured	Method ¹	Method name
AM-1	Guide for the siting of sampling units	AS/NZS 3580.1.1* (previously AS 2922)	Methods for sampling and analysis of ambient air: Guide to siting air monitoring equipment
AM-2	Guide for measurement of horizontal wind for air quality applications	AS 3580.14* (previously AS 2923)	Methods for sampling and analysis of ambient air: Meteorological monitoring for ambient air quality monitoring applications
AM-3	Preparation of reference test atmospheres	AS 3580.2.1** or AS/NZS 3580.2.2	AS 3580.2.1: Methods for sampling and analysis of ambient air: Preparation of reference test atmospheres – Permeation tube method or AS/NZS 3580.2.2: Methods for sampling and analysis of ambient air: Preparation of reference test atmospheres – Compressed gas method
AM-4	Meteorological monitoring guidance for regulatory modelling applications	AS 3580.14 or USEPA 454/R-99-005	AS 3580.14: Methods for sampling and analysis of ambient air: Meteorological monitoring for ambient air quality monitoring applications or USEPA 454/R-99-005: Meteorological monitoring guidance for regulatory modelling applications

Notes

1. The latest published version of a method must be used as soon as practical after publication, taking into account any transitional period associated with the updated method.

* Method originated as a different standard number that was revised and redesignated as the current number.

** Method was withdrawn or made obsolete by the publisher, but is retained for historical purposes.

Table B Specific methods for ambient air monitoring (AM)

Method no.	Parameter measured	Method ¹	Method name
AM-5	Acid gases	AS 3580.3.1**	Methods for sampling and analysis of ambient air: Determination of acid gases – Titrimetric method
AM-6	Carbon monoxide	AS 3580.7.1	Methods for sampling and analysis of ambient air: Determination of carbon monoxide – Direct-reading instrumental method
AM-7	Fluorides – automated, double paper tape sampling method	AS 3580.13.1**	Methods for sampling and analysis of ambient air: Determination of fluorides – Gaseous and acid-soluble particulate fluorides – Automated, double paper tape sampling
AM-8	Fluorides – manual, double filter paper sampling method	AS/NZS 3580.13.2	Methods for sampling and analysis of ambient air: Determination of gaseous and acid-soluble particulate fluorides – Manual, double filter paper sampling
AM-9	Fluorides – sodium acetate coated tube absorption method	AS 3580.13.3**	Methods for sampling and analysis of ambient air: Determination of fluorides – Total gaseous and acid-soluble airborne particulate fluoride – Sodium acetate coated tube absorption
AM-10	Hydrogen sulfide	AS 3580.8.1**	Methods for sampling and analysis of ambient air: Determination of hydrogen sulfide – Automatic intermittent sampling – Gas chromatographic method
AM-11	Lead – particulate collection by high-volume sampler	AS/NZS 3580.9.15* (previously AS 2800)	Methods for sampling and analysis of ambient air: Determination of suspended particulate matter – Particulate metals high or low volume sampler gravimetric collection – Inductively coupled plasma (ICP) spectrometric method
AM-12	Nitrogen oxides	AS 3580.5.1	Methods for sampling and analysis of ambient air: Determination of oxides of nitrogen – Direct-reading instrumental method
AM-13	Ozone	AS 3580.6.1	Methods for sampling and analysis of ambient air: Determination of ozone – Direct-reading instrumental method
AM-14	Particulate matter – suspended matter – filter paper soiling method	AS 2724.2**	Ambient air – Particulate matter – Part 2: Determination of suspended matter expressed as equivalent black smoke by filter paper soiling
AM-15	Particulate matter – TSP – high-volume sampler method	AS/NZS 3580.9.3* (previously AS 2724.3)	Methods for sampling and analysis of ambient air: Determination of suspended particulate matter – Total suspended particulate matter (TSP) – High-volume sampler gravimetric method

Method no.	Parameter measured	Method ¹	Method name
AM-16	Particulate matter – light scattering – integrating nephelometer method	AS/NZS 3580.12.1* (previously AS 2724.4)	Methods for sampling and analysis of ambient air: Determination of light scattering – Integrating nephelometer method
AM-17	Particulate matter – impinged matter – directional dust gauge method	AS/NZS 3580.10.2* (previously AS 2724.5)	Methods for sampling and analysis of ambient air: Determination of particulate matter – Impinged matter – Gravimetric method
AM-18	Particulate matter – PM ₁₀ – high-volume sampler with size-selective inlet	AS/NZS 3580.9.6	Methods for sampling and analysis of ambient air: Determination of suspended particulate matter – PM ₁₀ high-volume sampler with size-selective inlet – Gravimetric method
AM-19	Particulates – deposited matter – gravimetric method	AS/NZS 3580.10.1	Methods for sampling and analysis of ambient air: Determination of particulate matter – Deposited matter – Gravimetric method
AM-20	Sulfur dioxide	AS 3580.4.1	Methods of sampling and analysis of ambient air: Determination of sulfur dioxide – Direct-reading instrumental method
AM-21	Volatile organic compounds	AS/NZS 3580.11.1	Methods for sampling and analysis of ambient air: Determination of methane and non-methane organic compounds in ambient air – Direct-reading instrumental method
AM-22	Particulate matter – PM ₁₀ – TEOM	AS 3580.9.8	Methods for sampling and analysis of ambient air: Determination of suspended particulate matter – PM ₁₀ continuous direct mass method using a tapered element oscillating microbalance analyser

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