AS 3580.4.1—2008
Reconfirmed 2018

Australian Standard®

Methods of sampling and analysis of ambient air

Method 4.1: Determination of sulfur dioxide—Direct reading instrumental method

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EV-007, Methods for Examination of Air, to supersede AS 3580.4.1–1990, *Methods for sampling and analysis of ambient air,* Method 4.1: *Determination of sulfur dioxide—Direct reading instrumental method.*

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

The requirements for instruments found to be suitable for use in this method are given in the United States Environmental Protection Agency (US EPA) Title 40, Part 53 of the Code of Federal Regulations (40 CFR Part 53)—*Ambient air monitoring reference and equivalent methods*, Subpart B—*Procedures for testing performance characteristics of automated methods*.

METHOD

1 SCOPE

This Standard sets out the method for the determination of sulfur dioxide in ambient air using a direct-reading instrumental method. This method applies to the determination of sulfur dioxide in ambient air where the concentration lies within the range 0 to 5 p.p.m. by volume (approximately 0 to 14 000 $\mu g/m^3$).

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

3580 Methods for sampling and analysis of ambient air

3580.2.2 Method 2.2: Preparation of reference test atmospheres—Compressed gas method

AS/NZS

3580 Methods for sampling and analysis of ambient air

3580.1.1 Method 1.1 Guide to siting air monitoring equipment