

Australian Standard™

Cleanrooms, workstations, safety cabinets and pharmaceutical isolators—Methods of test

Method 1: Determination of air velocity and uniformity of air velocity in clean workstations, laminar flow safety cabinets and pharmaceutical isolators

1 SCOPE This Standard sets out the method of determining air velocity and uniformity of air velocity in a specified plane in clean workstations, laminar flow safety cabinets and pharmaceutical isolators.

2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

1386 Cleanrooms and clean workstations

1386.1 Part 1: Principles of clean space control

1807 Cleanrooms, workstations, safety cabinets and pharmaceutical isolators—
Methods of test

1807.0 Part 0: List of methods and apparatus

3 DEFINITIONS For the purpose of this Standard the definitions given in AS 1386.1 and AS 1807.0 apply.

4 PRINCIPLE Air velocity readings are taken at specified locations using an anemometer.

5 APPARATUS The following apparatus as specified in AS 1807.0 is required:

- (a) Freestanding anemometer.
- (b) Manometer with suitable range.

6 PROCEDURE The procedure shall be as follows:

- (a) Measure the initial pressure drop across the HEPA filter(s) prior to any adjustments being made. The initial readings on installation gauges, if fitted, shall also be recorded.