

AS/NZS 2243.8:2001

AS/NZS 2243.8

Australian/New Zealand Standard™

Safety in laboratories

Part 8: Fume cupboards



S t a n d a r d s Australia



STANDARDS

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AS/NZS 2243.8:2001

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CH-026, Safety in Laboratories. It was approved on behalf of the Council of Standards Australia on 30 December 2000 and on behalf of the Council of Standards New Zealand on 2 February 2001. It was published on 6 March 2001.

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Australian Government Analytical Laboratories
Fume cupboard manufacturers
Fume cupboard testing organizations
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Part 8: Fume cupboards

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PREFACE

This Standard was prepared by Subcommittee CH-026-08, Fume Cupboards, on behalf of the Joint Standards Australia/Standards New Zealand Committee CH-026, Safety in Laboratories, to supersede AS 2243.8—1992 and NZS 7203:1992.

The objective of this Standard is to provide requirements for fume cupboards relating to their safety and performance, along with recommendations and procedures for their selection, installation, testing and use.

The majority of changes from the previous edition have been made to clarify requirements concerning emergency isolators, the test methods and what needs to be checked before a fume cupboard can be said to comply with the Standard. The smoke test method has been tightened significantly with respect to the method for smoke generation. The Standard has also been modified to remove the recommended maximum volume of flammable liquid permitted in the fume cupboard at any one time. This has been replaced with a risk assessment process covering all liquids.

Attention is drawn to the last paragraph of the Foreword concerning upgrading of existing fume cupboards to comply with this Standard. Existing equipment should be assessed for risk and interim control measures implemented, depending on the time frame decided for the upgrading program.

This Standard is Part 8 in a series aimed at promoting safety in laboratories.

The series is as follows:

- Part 1: General
- Part 2: Chemical aspects
- Part 3: Microbiology
- Part 4: Ionizing radiations
- Part 5: Non-ionizing radiations
- Part 6: Mechanical aspects
- Part 7: Electrical aspects
- Part 8: Fume cupboards (this Standard)
- Part 9: Recirculating fume cabinets
- Part 10: Storage of chemicals

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix 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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