Australian/New Zealand Standard™

Safety in laboratories

Part 8: Fume cupboards





AS/NZS 2243.8:2006

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 6 April 2006 and on behalf of the Council of Standards New Zealand on 13 April 2006.

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The following are represented on Committee CH-026:

Australian Industry Group
Australian Institute of Occupational Hygienists
CSIRO
Department of Labour, New Zealand
Department of Primary Industries (Victoria)
Ministry of Economic Development, New Zealand
National Association of Testing Authorities, Australia
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Fume cupboard manufacturers
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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/NZS 2243.8:2001.

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 the operation of isolators, the fire isolation of exhaust ducts, the use of exhaust filters and the test methods. Requirements concerning double-sided fume cupboards have changed so one sash needs to be fully closed at all times. Text concerning the siting of fume cupboards has been modified with some distances changed and some distances that were recommendations in the previous edition are now required minimum separations to prevent containment problems.

Attention is drawn to the last paragraph of the Foreword concerning upgrading of existing fume cupboards to comply with this Standard following their assessment for risk and implementation of interim control measures, if necessary, 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: Planning and operational aspects

Part 2: Chemical aspects

Part 3: Microbiological aspects and containment facilities

Part 4: Ionizing radiations

Part 5: Non-ionizing radiations—Electromagnetic, sound and ultrasound

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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