## Australian Standard®

# Transport packaging for dangerous goods—Test methods



This Australian Standard® was prepared by Committee CH-009, Safe Handling of Chemicals. It was approved on behalf of the Council of Standards Australia on 6 August 2007. This Standard was published on 12 September 2007.

The following are represented on Committee CH-009:

- ACCORD Australia
- Agsafe
- Australasian Fire Authorities Council
- Australian Institute of Petroleum
- Australian Paint Manufacturers' Federation
- Consumers Federation of Australia
- Department of Consumer and Employment Protection, WA
- Department of Emergency Services, Qld
- Department of Environment and Conservation, NSW
- Department of the Premier and Cabinet, SA
- Engineers Australia
- New Zealand Chemical Industry Council
- Plastics and Chemicals Industries Association
- Tranz Rail (New Zealand)
- Victorian WorkCover Authority

This Standard was issued in draft form for comment as DR 07253.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

### Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting **www.standards.org.au** 

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

AS ISO 16104-2007

### Australian Standard®

## Transport packaging for dangerous goods—Test methods

First published as AS ISO 16104—2007.

### COPYRIGHT

© Standards Australia

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia, GPO Box 476, Sydney, NSW 2001, Australia ISBN 0 7337 8368 6

ii

#### **PREFACE**

This Standard was prepared by Standards Australia/Standards New Zealand Committee CH-009, Safe Handling of Chemicals. It is identical with and has been reproduced from ISO 16104:2003, Packaging—Transport packages for dangerous goods—Test methods.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number appears on the cover and title page while the international standard number appears only on the cover.
- (b) In the source text 'this European Standard' should read 'this Australian Standard'.
- (c) A full point substitutes for a comma when referring to a decimal marker.
- (d) Additional defined terms from the UN Recommendations on the Transport of Dangerous Goods are provided in Appendix ZA.
- (e) Add the following note to Paragraph E.1.9:
  This includes any reassessment required by Clauses 7.5 and 7.6.

References to International Standards should be replaced by references to Australian Standards, as follows:

Reference to International Standard	Australian Standard			
EN 22206 Packaging—Complete, filled transport packages—Identification of parts when testing (ISO 2206:1987)	AS 2582	Complete, filled transport packages—Methods of test		
	2582.1	Part 1: Identification of parts when testing		
22234 Packaging—Compete, filled transport packages—Stacking test using static load (ISO 2234)	2582.3	Part 3: Stacking tests using a static load		
EN ISO				
12048 Packaging—Compete filled transport packages—Compression and stacking tests using a compression tester (ISO 12048)	2582.10	Part 10: Compression and stacking tests using a compression tester		
Paints and varnishes—Determination of flow time by use of flow cups (ISO 2431)	1580	Paints and related materials— Methods of test		
	1580.214.6	6 Method 214.6: Consistency—ISO flow cups		
	AS/NZS ISO			
9001 Quality management systems— Requirements (ISO 9001)	9001	Quality management systems— Requirements		
ISO/IEC	AS ISO/IE	AS ISO/IEC		
17025 General requirements for the competence of testing and calibration laboratories	17025	General requirements for the competence of testing and calibration laboratories		

Only international references that have been adopted as Australian Standards have been listed.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the annex to which they apply. A 'normative' annex is an integral part of a Standard, whereas an 'informative' annex is only for information and guidance.

iii

### **CONTENTS**

Page

Scope ......1 1 Normative references......1 2 3 Terms and definitions ......1 4 Test requirements......3 5 Selection and preparation of test packagings......9 Facilities for testing......13 6 7 Test procedures......14 Annex A (informative) Light gauge metal packagings ......24 Annex E (normative) Test report and specifications......34 Bibliography.......47



	This is a free preview.	Purchase the e	entire publication	at the link below:
--	-------------------------	----------------	--------------------	--------------------

**Product Page** 

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation