

AS/NZS 8124.10:2008

EN 71-10:2005

Reconfirmed 2018

AS/NZS 8124.10:2008

Australian/New Zealand Standard™

**Safety of toys**

**Part 10: Organic chemical  
compounds—Sample preparation and  
extraction**



## **AS/NZS 8124.10:2008**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CS-018, Safety of Children's Toys. It was approved on behalf of the Council of Standards Australia on 26 February 2008 and on behalf of the Council of Standards New Zealand on 7 March 2008.

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Australian Toy Association  
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**AS/NZS 8124.10:2008**  
**Safety of toys**  
**Part 10: Organic chemical compounds—Sample**  
**preparation and extraction**

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-018, Safety of Children's Toys.

The objective of this Standard is to specify sample preparation and extraction procedures for establishing the release from those toys for which requirements exist in AS/NZS 8124.9.

This Standard is identical with, and has been reproduced from EN 71-10:2005, *Safety of toys—Part 10: Organic chemical compounds—Sample preparation and extraction*.

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

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text 'this European Standard' should read 'this Australian Standard'.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

<i>Reference to European Standard</i>		<i>Australian/New Zealand Standard</i>	
EN		AS/NZS ISO	
71	Safety of toys	8124	Safety of toys
71-1	Part 1: Mechanical and physical properties	8124.1	Part 1: Safety aspects related to mechanical and physical properties (ISO 8124-1:2000, MOD)
71-9	Part 9: Organic chemical compounds—Requirements	8124.9	Part 9: Organic chemical compounds—Requirements
71-11	Part 11: Organic chemical compounds—Methods of analysis	8124.11	Part 11: Organic chemical compounds—Methods of analysis
20105	Textiles—Tests for colour fastness	AS 2001	Methods of test for textiles
20105-A03	Part A03: Grey scale for assessing straining	2001.4.A03	Method 4.A03: Colourfastness tests—Grey scale for assessing straining

Other international Standards referenced in the source document have not been adopted as Australian Standards.

The terms 'normative' and 'informative' are used 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 or appendix is only for information and guidance.

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**Australian/New Zealand Standard**
**Safety of toys**  
**Part 10: Organic chemical compounds—Sample preparation and extraction**


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**1 Scope**

This Part 10 of the European Standard EN 71 for safety of toys specifies sample preparation and extraction procedures for establishing the release or content of organic compounds from those toys for which requirements exist in EN 71-9.

**2 Normative references**

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 71-1, *Safety of toys – Part 1: Mechanical and physical properties*

EN 71-9, *Safety of toys – Part 9: Organic chemical compounds – Requirements*

EN 71-11:2005, *Safety of toys – Part 11: Organic chemical compounds – Methods of analysis*

EN 20105-A03, *Textiles – Tests for colour fastness – Part A03: Grey scale for assessing staining*

ISO 105-F10, *Textiles – Tests for colour fastness – Part F10: Specification for adjacent fabric: Multifibre*

**3 Terms and definitions**

For the purposes of this European Standard, the following terms and definitions apply.

**3.1 (see B.2)****accessible**

contact with the articulated probe when tested in accordance with the 'accessibility-of-a-part-or-component' test in EN 71-1

**3.2****accessible liquid**

liquid in or on a toy or accompanying a toy to which the child is likely to become exposed during normal or foreseeable use of the toy

NOTE: Coloured paints, bubble liquids, ink in pens, liquids provided with toys for squirting are examples of accessible liquids

**3.3 (see B.3)****first-action method**

method of analysis designed to show the compliance of a toy or toy material with the requirements of EN 71-9 for a particular compound or group of compounds

**3.4****final-action method**

method of analysis for use when compliance cannot be demonstrated by a *first-action method*

**3.5 (see B.4)****laboratory sample**

single toy in the form in which it is marketed or intended to be marketed