

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk
NR18 9SB



FAO: Sally Bull

Sample: RED DICE SHAKER

Laboratory No: S1008051/SUP1/LS **Reference No:** 005, 009, 031, 040,
047, 049, 062

Order No: ---- **Date received:** 22/12/2010

Part Code: 03112

Description: Red plastic dice shaker.

Test conducted: Assessment of Total Cadmium content in accordance with Annex XVII
No 23 to Regulation 1907/2006 (the REACH Regulation).

Results: See report details.

Conclusion: The sample **complied** with the requirements of the above-mentioned test.



Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-01-27 09:46Z

Sue Stacey
Senior Toy Analyst

25th January 2011

All results relate only to the sample received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Page 1 of 2

Sample: **RED DICE SHAKER**
Laboratory No: S1008051/SUP1/LS

REPORT DETAILS

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

TOTAL CADMIUM

The sample was dry ashed in a muffle furnace until the organic matter was removed. The ash residue was then taken up in acid and analysed by inductively coupled plasma atomic emission spectroscopy. The results are shown below.

Item	Total Cadmium (mg/kg)
Polymeric Red plastic shaker	<15

EU general limit = 100 mg/kg

Where two or more materials are listed in the same row above they have been tested as a composite sample.

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk
NR18 9SB



FAO: Sally Bull

Sample: **RED DICE SHAKER**

Laboratory No: S1008051.2/AT

Reference No: 005, 009, 031, 040,
047, 049, 062

Order No: ----

Date received: 22/12/2010

Part Code: 03112

Description: Red plastic dice shaker.

Test conducted: Total phthalates.

Results: The sample was extracted with chloroform and the chloroform extract was then analysed for the presence of phthalates*. See page 2 for results.

Conclusion: The sample tested **complied** with the requirements of Annex XVII No 51/52 to Regulation 1907/2006 (the REACH Regulations).

- * DINP Di iso nonyl phthalate
- DEHP Di (2 ethyl hexyl) phthalate
- DIDP Di iso decyl phthalate
- DNOP Di n octyl phthalate
- DBP Di butyl phthalate
- BBP Butyl benzyl phthalate



Digitally signed by Angela Pollard
Reason: I am approving this document
Date: 2011-01-28 10:36Z

Angela M. Pollard
Manager Analytical Chemistry

26th January 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Sample: **RED DICE SHAKER**
Laboratory No: S1008051.2/AT

REPORT DETAILS

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Opinions and interpretations are outside the scope of UKAS accreditation.

Phthalate	%
	A
DBP	<0.01
BBP	<0.01
DEHP	<0.01
DINP	<0.02
DNOP	<0.01
DIDP	<0.01

Key:

A = Red plastic

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk
NR18 9SB



FAO: Sally Bull

Sample: **RED DICE SHAKER**

Laboratory No: S1008051/LS

Packaging: None

Reference No: 005, 009, 031, 040,
047, 049, 062

Made in: Not stated

Order No: ----

CE mark: Not present

Age tested from: 36 months+

Date received: 22/12/2010

Part Code: 03112

Description: Red plastic dice shaker.

Tested for children over 36 months of age at the client's request.

Tests conducted:

1. EN 71 Part 1 : 2005 + A9 2009 : Mechanical and physical properties
2. EN 71 Part 2 : 2006 +A1 2007 : Flammability
3. EN 71 Part 3 : 1994 : Migration of certain elements, including amendments A1 (2000) and AC (2002)

Conclusion: The sample **complied as far as tested** with the requirements of EN 71 Part 1 : 2005 + A9 2009.

The sample **complied** with the requirements of EN 71 Part 2 : 2006 +A1 2007 and EN 71 Part 3 : 1994

Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-01-27 09:45Z

Sue Stacey
Senior Toy Analyst

25th January 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Sample: **RED DICE SHAKER**
Laboratory No: **S1008051/LS**

REPORT DETAILS

EUROPEAN TOY SAFETY STANDARD

Section numbers below correspond to clauses of the above mentioned standard. Clauses not mentioned are not applicable to the sample.

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Opinions and interpretations are outside the scope of UKAS accreditation.

- EN 71 PART 1 : 2005 + A9 2009 : MECHANICAL AND PHYSICAL PROPERTIES**
EN 71 Part 1, as amended, specifies requirements and methods of test for mechanical and physical properties of toys. It also specifies some requirements for packaging, marking and instructions for use. The sample has been tested with the following results.

4.1 Materials **Pass**
The toy and materials used in the toy were found to be visually clean and free from infestation.

4.7 Edges **Pass**
The rigid polymeric edges of the toy were free from burrs.

7 Warnings and instructions for use

7.1 General

Note: Toys must bear the name and address details of the European manufacturer, importer or authorised representative. This must be visible on the toy or its packaging together with the CE marking. Where these details are only on the packaging the consumer must be advised to retain these details for future reference. Small toys that are sold without packaging (for example from a display box or a vending machine) should have appropriate warnings affixed to them. It is not sufficient to have the warning only on the display box.

The above information was not present on the toy or its packaging.

Warnings and Instructions

7.2 Toys not intended for children under 36 months **Not tested**

Sample: **RED DICE SHAKER**
Laboratory No: S1008051/LS

2. EN 71 PART 2 : 2006 +A1 2007 FLAMMABILITY

EN 71 Part 2 specifies the categories of flammable materials which are prohibited in all toys and requirements concerning flammability of certain toys when they are subjected to a source of ignition. The sample has been tested with the following results.

4.1 General..... Pass

The toy did not contain highly flammable solids, celluloid or materials with similar behaviour in fire.

3. EN 71 PART 3 : 1994 MIGRATION OF CERTAIN ELEMENTS, AS AMENDED

EN 71 Part 3, as amended, specifies requirements and test methods for the migration of the elements antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium. The sample has been tested with the following results.

See appendix 1 for results.

8.2 Non-textile polymeric and similar materials..... Pass

Sample: **RED DICE SHAKER**
Laboratory No: S1008051/LS

APPENDIX 1

EN 71 PART 3 : 1994

Date of test: 20/01/2011

Method of Analysis: ICP.

Section: 8.2 Non-textile polymeric and similar materials.

Element	Limit mg/kg	A
Antimony	60	<10
Arsenic	25	<10
Barium	1000	<70
Cadmium	75	<10
Chromium	60	<10
Lead	90	<20
Mercury	60	<10
Selenium	500	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = Red dice shaker

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk NR18 9SB



FAO: Sally Bull

Sample: **COLOUR SPOT DICE**

Laboratory No: S1100226/LS

Packaging: Bag

Reference No: 005, 021, 062

Made in: Not stated

Order No: ---

CE mark: Not present

Age tested from: 36 months+

Date received: 14/01/2011

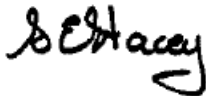
Part Code: 00507

Description: White plastic dice with orange, red, yellow, purple, green and blue painted spots.

Tested for children over 36 months of age at the client's request.

- Tests conducted:
1. EN 71 Part 1 : 2005 + A9 2009 : Mechanical and physical properties
 2. EN 71 Part 2 : 2006 +A1 2007 : Flammability
 3. EN 71 Part 3 : 1994 : Migration of certain elements, including amendments A1 (2000) and AC (2002)

Conclusion: The sample **complied as far as tested** with the requirements of EN 71 Part 1 : 2005 + A9 2009. The sample **complied** with the requirements of EN 71 Part 2 : 2006 +A1 2007 and EN 71 Part 3 : 1994.



Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-02-15 12:14Z

Sue Stacey
Senior Toy Analyst

11th February 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Page 1 of 4



Registered in England and Wales Registered No. 2787492

Sample: COLOUR SPOT DICE
Laboratory No: S1100226/LS

REPORT DETAILS

EUROPEAN TOY SAFETY STANDARD

Section numbers below correspond to clauses of the above mentioned standard. Clauses not mentioned are not applicable to the sample.

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Opinions and interpretations are outside the scope of UKAS accreditation.

1. **EN 71 PART 1 : 2005 + A9 2009 : MECHANICAL AND PHYSICAL PROPERTIES**
EN 71 Part 1, as amended, specifies requirements and methods of test for mechanical and physical properties of toys. It also specifies some requirements for packaging, marking and instructions for use. The sample has been tested with the following results.

4.1 Materials **Pass**
The toy and materials used in the toy were found to be visually clean and free from infestation.

4.7 Edges **Pass**
The rigid polymeric edges of the toy were free from burrs.

6.0 Packaging **Pass**
The plastic bag had an opening perimeter not more than 380mm.

7 Warnings and instructions for use

7.1 General

Note: Toys must bear the name and address details of the European manufacturer, importer or authorised representative. This must be visible on the toy or its packaging together with the CE marking. Where these details are only on the packaging the consumer must be advised to retain these details for future reference. Small toys that are sold without packaging (for example from a display box or a vending machine) should have appropriate warnings affixed to them. It is not sufficient to have the warning only on the display box.

The above information was not present on the toy or its packaging.

Warnings and Instructions

7.2 Toys not intended for children under 36 months **Not tested**

Sample: **COLOUR SPOT DICE**
Laboratory No: **S1100226/LS**

2. EN 71 PART 2 : 2006 +A1 2007 FLAMMABILITY

EN 71 Part 2 specifies the categories of flammable materials which are prohibited in all toys and requirements concerning flammability of certain toys when they are subjected to a source of ignition. The sample has been tested with the following results.

4.1 General..... Pass

The toy did not contain highly flammable solids, celluloid or materials with similar behaviour in fire.

3. EN 71 PART 3 : 1994 MIGRATION OF CERTAIN ELEMENTS, AS AMENDED

EN 71 Part 3, as amended, specifies requirements and test methods for the migration of the elements antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium. The sample has been tested with the following results.

See appendix 1 for results.

8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatingsNot tested

8.2 Non-textile polymeric and similar materialsPass

Sample: **COLOUR SPOT DICE**
Laboratory No: S1100226/LS

APPENDIX 1

EN 71 PART 3 : 1994

Date of test: 24/01/2011

Method of Analysis: ICP.

Section: **8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatings.**

The following did not require testing as there was less than 10 mg of materials.

Material	Sample weight (g)
Blue paint	0.0006
Purple paint	0.0012
Green paint	0.0010
Orange paint	0.0009
Yellow paint	0.0020
Red paint	0.0008

Section: **8.2 Non-textile polymeric and similar materials.**

Element	Limit mg/kg	A
Antimony	60	<10
Arsenic	25	<10
Barium	1000	<70
Cadmium	75	<10
Chromium	60	<10
Lead	90	<20
Mercury	60	<10
Selenium	500	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = White plastic dice

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk NR18 9SB



FAO: Sally Bull

Sample: **COLOUR SPOT DICE**

Laboratory No: S1100226/SUPI/LS

Reference No: 005, 021, 062

Order No: ---

Date received: 14/01/2011

Part Code: 00507

Description: White plastic dice with orange, red, yellow, purple, green and blue painted spots.

Test conducted: Assessment of Total Cadmium content in accordance with Annex XVII No 23 to Regulation 1907/2006 (the REACH Regulation).

Results: See report details.

Conclusion: The sample **complied** with the requirements of the above-mentioned test.

Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-02-15 12:15Z

Sue Stacey
Senior Toy Analyst

11th February 2011

Sample: **COLOUR SPOT DICE**
Laboratory No: **S1100226/SUP1/LS**

REPORT DETAILS

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

TOTAL CADMIUM

The sample was dry ashed in a muffle furnace until the organic matter was removed. The ash residue was then taken up in acid and analysed by inductively coupled plasma atomic emission spectroscopy. The results are shown below.

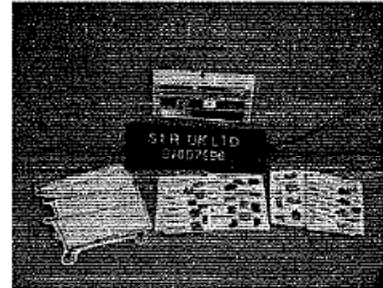
Item	Total Cadmium (mg/kg)
Polymers	
White dice	<15
Plastic bag	<15

EU general limit = 100 mg/kg

Where two or more materials are listed in the same row above they have been tested as a composite sample.

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk
NR18 9SB



FAO: Sally Bull

Sample: **FL GAMES 3 YEARS+**

Laboratory No: S1007996/LS

Packaging: Bag

Reference No: 001, 003, 005, 008, 009,
010, 011, 014, 015, 017,
020, 021, 023, 024, 025, 026

Made in: Not stated

Order No: ----

CE mark: Not present

Age tested from: 3 years+

Date received: 22/12/2010

Part Code: 00305

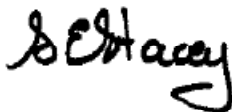
Description: Board, shopping list, trolley and pieces.

Tested for children over 36 months of age at the client's request.

Tests conducted:

1. EN 71 Part 1 : 2005 + A9 2009 : Mechanical and physical properties
2. EN 71 Part 2 : 2006 +A1 2007 : Flammability
3. EN 71 Part 3 : 1994 : Migration of certain elements, including amendments A1 (2000) and AC (2002)

Conclusion: The sample **complied as far as tested** with the requirements of EN 71 Part 1 : 2005 + A9 2009. The sample **complied** with the requirements of EN 71 Part 2 : 2006 +A1 2007 and EN 71 Part 3 : 1994



Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-01-27 15:07Z

Sue Stacey
Senior Toy Analyst

25th January 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Sample: **FL GAMES 3 YEARS+**
Laboratory No: **S1007996/LS**

REPORT DETAILS

EUROPEAN TOY SAFETY STANDARD

Section numbers below correspond to clauses of the above mentioned standard. Clauses not mentioned are not applicable to the sample.

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Opinions and interpretations are outside the scope of UKAS accreditation.

1. **EN 71 PART 1 : 2005 + A9 2009 : MECHANICAL AND PHYSICAL PROPERTIES**
EN 71 Part 1, as amended, specifies requirements and methods of test for mechanical and physical properties of toys. It also specifies some requirements for packaging, marking and instructions for use. The sample has been tested with the following results.

4.1 MaterialsPass

The toy and materials used in the toy were found to be visually clean and free from infestation.

4.7 EdgesPass

The rigid edges of the toy were free from burrs.

6.0 PackagingPass

The plastic bag had an opening perimeter not more than 380mm.

7 Warnings and instructions for use

7.1 General

Note: Toys must bear the name and address details of the European manufacturer, importer or authorised representative. This must be visible on the toy or its packaging together with the CE marking. Where these details are only on the packaging the consumer must be advised to retain these details for future reference. Small toys that are sold without packaging (for example from a display box or a vending machine) should have appropriate warnings affixed to them. It is not sufficient to have the warning only on the display box.

The above information was not present on the toy or its packaging.

Warnings and Instructions

7.2 Toys not intended for children under 36 monthsNot tested

Sample: **FL GAMES 3 YEARS+**
Laboratory No: **S1007996/LS**

2. EN 71 PART 2 : 2006 +A1 2007 FLAMMABILITY

EN 71 Part 2 specifies the categories of flammable materials which are prohibited in all toys and requirements concerning flammability of certain toys when they are subjected to a source of ignition. The sample has been tested with the following results.

4.1 General Pass

The toy did not contain highly flammable solids, celluloid or materials with similar behaviour in fire.

3. EN 71 PART 3 : 1994 MIGRATION OF CERTAIN ELEMENTS, AS AMENDED

EN 71 Part 3, as amended, specifies requirements and test methods for the migration of the elements antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium. The sample has been tested with the following results.

See appendix 1 for results.

8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatings Pass

Sample: **FL GAMES 3 YEARS+**
Laboratory No: **S1007996/LS**

APPENDIX 1

EN 71 PART 3 : 1994

Date of test: 18/01/2011

Method of Analysis: ICP.

Section 8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatings.

Element	Limit mg/kg	A*	B*
Antimony	60	<10	<10
Arsenic	25	<10	<10
Barium	1000	<70	<70
Cadmium	75	<10	<10
Chromium	60	<10	<10
Lead	90	<20	<20
Mercury	60	<10	<10
Selenium	500	<10	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = Printing on puzzle
B = Blue paint on puzzle back

*Additional acid was added to lower the pH.

Sample: **FL GAMES 3 YEARS+**
Laboratory No: S1007996/LS

Date of test: 18/01/2011

Method of Analysis: ICP.

Section 8.6 Other materials whether mass coloured or not.

Element	Limit mg/kg	A [▲]
Antimony	60	<10
Arsenic	25	<10
Barium	1000	<70
Cadmium	75	<10
Chromium	60	<10
Lead	90	<20
Mercury	60	<10
Selenium	500	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = Puzzle board

[▲]The material has a mass per unit area of greater than 400 g/m² and has therefore not been tested under 8.3.

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk
NR18 9SB



FAO: Sally Bull

Sample: **OS10 CARTONS**

Laboratory No: S1008006/LS

Packaging: Box

Reference No: 030, 031, 032, 033, 034,
038, 040, 044, 062, 070,
071, 074, 077, 078, 079,
153, 154, 166, 168

Made in: England

Order No: ---

CE mark: Present

Age tested from: 36 mths+

Date received: 22/12/2010

Part Code: 03003

Description: 'Pop to the Shops' game with cardboard box packaging.

Tests conducted:

1. EN 71 Part 1 : 2005 + A9 2009 : Mechanical and physical properties
2. EN 71 Part 2 : 2006 +A1 2007 : Flammability
3. EN 71 Part 3 : 1994 : Migration of certain elements, including amendments A1 (2000) and AC (2002)

Conclusion: The sample **complied** with the requirements of the above mentioned standards.



Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-01-27 09:33Z

Sue Stacey
Senior Toy Analyst

25th January 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Page 1 of 5



Registered in England and Wales Registered No.2767192

Sample: **OS10 CARTONS**
Laboratory No: **S1008006/LS**

REPORT DETAILS

EUROPEAN TOY SAFETY STANDARD

Section numbers below correspond to clauses of the above mentioned standard. Clauses not mentioned are not applicable to the sample.

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Opinions and interpretations are outside the scope of UKAS accreditation.

- 1. EN 71 PART 1 : 2005 + A9 2009 : MECHANICAL AND PHYSICAL PROPERTIES**
EN 71 Part 1, as amended, specifies requirements and methods of test for mechanical and physical properties of toys. It also specifies some requirements for packaging, marking and instructions for use. The sample has been tested with the following results.

4.1 MaterialsPass

The toy and materials used in the toy were found to be visually clean and free from infestation.

4.7 EdgesPass

The rigid edges of the toy were free from burrs.

7 Warnings and instructions for use

7.1 General

Note: Toys must bear the name and address details of the European manufacturer, importer or authorised representative. This must be visible on the toy or its packaging together with the CE marking. Where these details are only on the packaging the consumer must be advised to retain these details for future reference. Small toys that are sold without packaging (for example from a display box or a vending machine) should have appropriate warnings affixed to them. It is not sufficient to have the warning only on the display box.

The above information was present on the toy or its packaging.

Warning and Instructions

7.2 Toys not intended for children under 36 monthsPass

The age warning was given by virtue of the symbol specified in EN71-1. Indication of the hazard was present on the packaging.

Sample: OS10 CARTONS
Laboratory No: S1008006/LS

2. EN 71 PART 2 : 2006 +A1 2007 FLAMMABILITY

EN 71 Part 2 specifies the categories of flammable materials which are prohibited in all toys and requirements concerning flammability of certain toys when they are subjected to a source of ignition. The sample has been tested with the following results.

4.1 General..... Pass

The toy did not contain highly flammable solids, celluloid or materials with similar behaviour in fire.

3. EN 71 PART 3 : 1994 MIGRATION OF CERTAIN ELEMENTS, AS AMENDED

EN 71 Part 3, as amended, specifies requirements and test methods for the migration of the elements antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium. The sample has been tested with the following results.

See appendix 1 for results.

8.2 Non-textile polymeric and similar materials.....Pass

8.6 Other materials whether mass coloured or notPass

Sample: **OS10 CARTONS**
Laboratory No: S1008006/LS

APPENDIX 1

EN 71 PART 3 : 1994

Date of test: 20/01/2011

Method of Analysis: ICP.

Section: **8.2 Non-textile polymeric and similar materials.**

Element	Limit mg/kg	A
Antimony	60	<10
Arsenic	25	<10
Barium	1000	<70
Cadmium	75	<10
Chromium	60	<10
Lead	90	<20
Mercury	60	<10
Selenium	500	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = Laminate covering

Sample: **OS10 CARTONS**
Laboratory No: S1008006/LS

Date of test: 20/01/2011

Method of Analysis: ICP.

Section: 8.6 Other materials whether mass coloured or not.

Element	Limit mg/kg	A[^]
Antimony	60	<10
Arsenic	25	<10
Barium	1000	<70
Cadmium	75	<10
Chromium	60	<10
Lead	90	<20
Mercury	60	<10
Selenium	500	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = Game box packaging

[^]The material has a mass per unit area of greater than 400 g/m² and has therefore not been tested under 8.3.

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk
NR18 9SB



FAO: Sally Bull

Sample: **BLACK ARROW SPINNER**

Laboratory No:	S1008048/LS	Packaging:	None
Reference No:	001, 017, 152, 031, 047, 049, 051, 058, 066, 070, 079, 067, 081	Made in:	Not stated
Order No:	---	CE mark:	Not present
Age tested from:	36 months+	Date received:	22/12/2010
Part Code:	03109		

Description: Black plastic arrow spinner and black plastic stand.

Tested for children over 36 months of age at the client's request.

Tests conducted:

1. EN 71 Part 1 : 2005 + A9 2009 : Mechanical and physical properties
2. EN 71 Part 2 : 2006 +A1 2007 : Flammability
3. EN 71 Part 3 : 1994 : Migration of certain elements, including amendments A1 (2000) and AC (2002)

Conclusion: The sample **complied as far as tested** with the requirements of EN 71 Part 1 : 2005 + A9 2009. The sample **complied** with the requirements of EN 71 Part 2 : 2006 +A1 2007 and EN 71 Part 3 : 1994



Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-01-27 09:31Z

Sue Stacey
Senior Toy Analyst

25th January 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Page 1 of 4



Registered in England and Wales Registered No. 2767182

Sample: **BLACK ARROW SPINNER**
Laboratory No: S1008048/LS

REPORT DETAILS

EUROPEAN TOY SAFETY STANDARD

Section numbers below correspond to clauses of the above mentioned standard. Clauses not mentioned are not applicable to the sample.

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Opinions and interpretations are outside the scope of UKAS accreditation.

1. EN 71 PART 1 : 2005 + A9 2009 : MECHANICAL AND PHYSICAL PROPERTIES

EN 71 Part 1, as amended, specifies requirements and methods of test for mechanical and physical properties of toys. It also specifies some requirements for packaging, marking and instructions for use. The sample has been tested with the following results.

4.1 MaterialsPass

The toy and materials used in the toy were found to be visually clean and free from infestation.

4.7 EdgesPass

The rigid edges of the toy were free from burrs.

4.8 Points and metallic wiresPass

When tested in accordance with 8.12 (sharpness of points) the points described below were not sharp. [Points: Arrow]

7 Warnings and instructions for use

7.1 General

Note: Toys must bear the name and address details of the European manufacturer, importer or authorised representative. This must be visible on the toy or its packaging together with the CE marking. Where these details are only on the packaging the consumer must be advised to retain these details for future reference. Small toys that are sold without packaging (for example from a display box or a vending machine) should have appropriate warnings affixed to them. It is not sufficient to have the warning only on the display box.

The above information was not present on the toy or its packaging.

Warnings and Instructions

7.2 Toys not intended for children under 36 monthsNot tested

Sample: **BLACK ARROW SPINNER**
Laboratory No: S1008048/LS

2. EN 71 PART 2 : 2006 +A1 2007 FLAMMABILITY

EN 71 Part 2 specifies the categories of flammable materials which are prohibited in all toys and requirements concerning flammability of certain toys when they are subjected to a source of ignition. The sample has been tested with the following results.

4.1 General.....Pass

The toy did not contain highly flammable solids, celluloid or materials with similar behaviour in fire.

3. EN 71 PART 3 : 1994 MIGRATION OF CERTAIN ELEMENTS, AS AMENDED

EN 71 Part 3, as amended, specifies requirements and test methods for the migration of the elements antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium. The sample has been tested with the following results.

See appendix 1 for results.

8.2 Non-textile polymeric and similar materials.....Pass

Sample: **BLACK ARROW SPINNER**
Laboratory No: S1008048/LS

APPENDIX 1

EN 71 PART 3 : 1994

Date of test: 18/01/2011

Method of Analysis: ICP.

Section: 8.2 Non-textile polymeric and similar materials.

Element	Limit mg/kg	A
Antimony	60	<10
Arsenic	25	<10
Barium	1000	<70
Cadmium	75	<10
Chromium	60	<10
Lead	90	<20
Mercury	60	<10
Selenium	500	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = Black plastic arrow spinner

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk
NR18 9SB



FAO: Sally Bull

Sample: **BLACK ARROW SPINNER**

Laboratory No: S1008048/SUP1/LS Reference No: 001, 017, 152, 031, 047,
049, 051, 058, 066, 070,
079, 067, 081

Order No: ---- Date received: 22/12/2010

Part Code: 03109

Description: Black plastic arrow spinner and black plastic stand.

Test conducted: Assessment of Total Cadmium content in accordance with Annex XVII No 23 to Regulation 1907/2006 (the REACH Regulation).

Results: See report details.

Conclusion: The sample **complied** with the requirements of the above-mentioned test.



Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-01-27 09:31Z

Sue Stacey
Senior Toy Analyst

25th January 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory

Sample: **BLACK ARROW SPINNER**
Laboratory No: S1008048/SUP1/LS

REPORT DETAILS

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

TOTAL CADMIUM

The sample was dry ashed in a muffle furnace until the organic matter was removed. The ash residue was then taken up in acid and analysed by inductively coupled plasma atomic emission spectroscopy. The results are shown below.

Item	Total Cadmium (mg/kg)
Polymersics Black arrow	<15

EU general limit = 100 mg/kg

Where two or more materials are listed in the same row above they have been tested as a composite sample.

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk
NR18 9SB



FAO: Sally Bull

Sample: **BLACK ARROW SPINNER**

Laboratory No: S1008048.2/AT Reference No: 001 / 017 / 152 / 031 / 047 /
049 / 051 / 058 / 066 / 070 /
079 / 067 / 081

Order No: --- Date received: 22nd December 2010

Part Code: 03109

Description: Black plastic arrow spinner and black plastic stand.

Test conducted: Total phthalates.

Results: The sample was extracted with chloroform and the chloroform extract was then analysed for the presence of phthalates*. See page 2 for results.

Conclusion: The sample tested **complied** with the requirements of Annex XVII No 51/52 to Regulation 1907/2006 (the REACH Regulations).

* DINP Di iso nonyl phthalate
DEHP Di (2 ethyl hexyl) phthalate
DIDP Di iso decyl phthalate
DNOP Di n octyl phthalate
DBP Di butyl phthalate
BBP Butyl benzyl phthalate



Digitally signed by Angela Pollard
Reason: I am approving this document
Date: 2011-01-26 11:38Z

Angela M Pollard
Manager Analytical Chemistry

25th January 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Sample: **BLACK ARROW SPINNER**
Laboratory No: S1008048.2/AT

REPORT DETAILS

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Opinions and interpretations are outside the scope of UKAS accreditation.

Phthalate	%
	A
DBP	<0.01
BBP	<0.01
DEHP	<0.01
DINP	<0.02
DNOP	<0.01
DIDP	<0.01

Key:

A = Black plastic arrow

TEST REPORT

Client: Orchard Toys Ltd
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk NR18 9SB



FAO: Sally Bull

Sample: **INSEY WINSEY PLASTIC SPIDERS**

Laboratory No: S1008045/LS

Packaging: Plastic bag

Reference No: 031

Made in: Not stated

Order No: ---

CE mark: Not present

Age tested from: 36 months-

Date received: 22/12/2010

Part Code: 03107

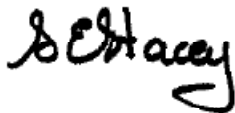
Description: Plastic, spider-shaped figures: in red, blue, yellow and green. Size approximately: 45mm x 45mm x 20mm.

Tested for children over the age of 36 months at the client's request.

Tests conducted:

1. EN 71 Part 1 : 2005 + A9 2009 : Mechanical and physical properties
2. EN 71 Part 2 : 2006 +A1 2007 : Flammability
3. EN 71 Part 3 : 1994 : Migration of certain elements, including amendments A1 (2000) and AC (2002)

Conclusion: The sample **complied as far as tested** with the requirements of EN 71 Part 1 : 2005 + A9 2009. The sample **complied** with the requirements of EN 71 Part 2 : 2006 +A1 2007 and EN 71 Part 3 : 1994



Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-01-21 15:13Z

Sue Stacey
Senior Toy Analyst

21st January 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Sample: **INSEY WINSEY PLASTIC SPIDERS**
Laboratory No: **S1008045/LS**

REPORT DETAILS

EUROPEAN TOY SAFETY STANDARD

Section numbers below correspond to clauses of the above mentioned standard. Clauses not mentioned are not applicable to the sample.

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Opinions and interpretations are outside the scope of UKAS accreditation.

1. EN 71 PART 1 : 2005 + A9 2009 : MECHANICAL AND PHYSICAL PROPERTIES

EN 71 Part 1, as amended, specifies requirements and methods of test for mechanical and physical properties of toys. It also specifies some requirements for packaging, marking and instructions for use. The sample has been tested with the following results.

4.1 MaterialsPass

The toy and materials used in the toy were found to be visually clean and free from infestation.

4.7 EdgesPass

The rigid polymeric edges of the toy were free from burrs.

6.0 PackagingPass

The plastic bag had an opening perimeter not more than 380mm.

7 Warnings and instructions for use

7.1 General

Note: Toys must bear the name and address details of the European manufacturer, importer or authorised representative. This must be visible on the toy or its packaging together with the CE marking. Where these details are only on the packaging the consumer must be advised to retain these details for future reference. Small toys that are sold without packaging (for example from a display box or a vending machine) should have appropriate warnings affixed to them. It is not sufficient to have the warning only on the display box.

The above information was not present on the toy or its packaging.

Warnings and Instructions

7.2 Toys not intended for children under 36 monthsNot tested

Sample: **INSEY WINSEY PLASTIC SPIDERS**
Laboratory No: **S1008045/LS**

2. EN 71 PART 2 : 2006 +A1 2007 FLAMMABILITY

EN 71 Part 2 specifies the categories of flammable materials which are prohibited in all toys and requirements concerning flammability of certain toys when they are subjected to a source of ignition. The sample has been tested with the following results.

4.1 General.....Pass

The toy did not contain highly flammable solids, celluloid or materials with similar behaviour in fire.

3. EN 71 PART 3 : 1994 MIGRATION OF CERTAIN ELEMENTS, AS AMENDED

EN 71 Part 3, as amended, specifies requirements and test methods for the migration of the elements antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium. The sample has been tested with the following results.

See appendix 1 for results.

8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatingsPass

8.2 Non-textile polymeric and similar materials.....Pass

Sample: INSEY WINSEY PLASTIC SPIDERS
Laboratory No: S1008045/LS

APPENDIX 1

EN 71 PART 3 : 1994

Date of test: 17/01/2011

Method of Analysis: ICP.

Section: 8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatings.

Element	Limit mg/kg	A
Antimony	60	<10
Arsenic	25	<10
Barium	1000	<70
Cadmium	75	<10
Chromium	60	<10
Lead	90	<20
Mercury	60	<10
Selenium	500	<10
Mass tested in grams (if < 100 mg)	0.0155	

All results are expressed as mg/kg soluble element.

Key:

A = Black & white facial features

Sample: **INSEY WINSEY PLASTIC SPIDERS**
Laboratory No: **S1008045/LS**

Date of test: 17/01/2011

Method of Analysis: ICP.

Section: **8.2 Non-textile polymeric and similar materials.**

Element	Limit mg/kg	A	B	C	D
Antimony	60	<10	<10	<10	<10
Arsenic	25	<10	<10	<10	<10
Barium	1000	<70	<70	<70	<70
Cadmium	75	<10	<10	<10	<10
Chromium	60	<10	<10	<10	<10
Lead	90	<20	<20	<20	<20
Mercury	60	<10	<10	<10	<10
Selenium	500	<10	<10	<10	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = Red spider
B = Blue spider
C = Yellow spider
D = Green spider

TEST REPORT

Client: Orchard Toys Ltd
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk NR18 9SB



FAO: Sally Bull

Sample: **INSEY WINSEY PLASTIC SPIDERS**

Laboratory No: S1008045/SUP1/LS

Reference No: 031

Order No: ----

Date received: 22/12/2010

Part Code: 03107

Description: Plastic, spider-shaped figures: in red, blue, yellow and green. Size approximately: 45mm x 45mm x 20mm.

Test conducted: Assessment of Total Cadmium content in accordance with Annex XVII No 23 to Regulation 1907/2006 (the REACH Regulation).

Results: See report details.

Conclusion: The sample **complied** with the requirements of the above-mentioned test.

Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-01-21 15:14Z

Sue Stacey
Senior Toy Analyst

21st January 2011

Sample: **INSEY WINSEY PLASTIC SPIDERS**
Laboratory No: **S1008045/SUP1/LS**

REPORT DETAILS

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

TOTAL CADMIUM

The sample was dry ashed in a muffle furnace until the organic matter was removed. The ash residue was then taken up in acid and analysed by inductively coupled plasma atomic emission spectroscopy. The results are shown below.

Item	Total Cadmium (mg/kg)
Polymeric Plastic bag Red spider Yellow spider	<15
Green spider Blue spider	<15

EU general limit = 100 mg/kg

Where two or more materials are listed in the same row above they have been tested as a composite sample.

TEST REPORT

Client: Orchard Toys Ltd
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk NR18 9SB



FAO: Sally Bull

Sample: INSEY WINSY PLASTIC SPIDERS

Laboratory No: S1008045.2/SJG Reference No: 031

Order No: --- Date received: 22/12/2010

Part Code: 03107

Description: Plastic, spider-shaped figures: in red, blue, yellow and green. Size approximately: 45mm x 45mm x 20mm.

Test conducted: Total phthalates.

Results: The samples were extracted with chloroform and the chloroform extracts were then analysed for the presence of phthalates*. See page 2 for results.

Conclusion: The samples tested **complied** with the requirements of Annex XVII No 51/52 to Regulation 1907/2006 (the REACH Regulations).

* DINP Di iso nonyl phthalate
DEHP Di (2 ethyl hexyl) phthalate
DIDP Di iso decyl phthalate
DNOP Di n octyl phthalate
DBP Di butyl phthalate
BBP Butyl benzyl phthalate



Digitally signed by Angela Pollard
Reason: I am approving this document
Date: 2011-02-21 15:31Z

Angela M Pollard
Manager Analytical Chemistry

21st February 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Sample: **INSEY WINSY PLASTIC SPIDERS**
 Laboratory No: S1008045.2/SJG

REPORT DETAILS

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Opinions and interpretations are outside the scope of UKAS accreditation.

Phthalate	%	%	%	%
	A	B	C	D
DBP	<0.01	<0.01	<0.01	<0.01
BBP	<0.01	<0.01	<0.01	<0.01
DEHP	<0.01	<0.01	<0.01	<0.01
DINP	<0.02	<0.02	<0.02	<0.02
DNOP	<0.01	<0.01	<0.01	<0.01
DIDP	<0.01	<0.01	<0.01	<0.01

Key:

- A = Red plastic spider
- B = Yellow plastic spider
- C = Green plastic spider
- D = Blue plastic spider

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk
NR18 9SB



FAO: Sally Bull

Sample: **18MM SHAPE DICE**

Laboratory No: S1100249/AT

Packaging: Not supplied

Reference No: 031 / 062

Made in: Not stated

Order No: ---

CE mark: Not present

Age tested from: 36 months +

Date received: 14th January 2011

Part Code: 03110

Description: 2 white plastic dice with black painted details.

Tested for children over 36 months of age at the client's request.

- Tests conducted:
1. EN 71 Part 1 : 2005 + A9 2009 : Mechanical and physical properties
 2. EN 71 Part 2 : 2006 +A1 2007 : Flammability
 3. EN 71 Part 3 : 1994 : Migration of certain elements, including amendments A1 (2000) and AC (2002)

Conclusion: The sample **complied as far as tested** with the requirements of EN 71 Part 1 : 2005 + A9 2009.

The sample **complied** with the requirements of EN 71 Part 2 : 2006 +A1 2007 and EN 71 Part 3 : 1994.



Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-01-27 16:02Z

Sue Stacey
Senior Toy Analyst

26th January 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Sample: **18MM SHAPE DICE**
Laboratory No: S1100249/AT

REPORT DETAILS

EUROPEAN TOY SAFETY STANDARD

Section numbers below correspond to clauses of the above mentioned standard. Clauses not mentioned are not applicable to the sample.

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Opinions and interpretations are outside the scope of UKAS accreditation.

- 1. EN 71 PART 1 : 2005 + A9 2009 : MECHANICAL AND PHYSICAL PROPERTIES**
EN 71 Part 1, as amended, specifies requirements and methods of test for mechanical and physical properties of toys. It also specifies some requirements for packaging, marking and instructions for use. The sample has been tested with the following results.

4.1 Materials **Pass**
The toy and materials used in the toy were found to be visually clean and free from infestation.

4.7 Edges **Pass**
The rigid edges of the toy were free from burrs.

7 Warnings and instructions for use

7.1 General

Note: Toys must bear the name and address details of the European manufacturer, importer or authorised representative. This must be visible on the toy or its packaging together with the CE marking. Where these details are only on the packaging the consumer must be advised to retain these details for future reference. Small toys that are sold without packaging (for example from a display box or a vending machine) should have appropriate warnings affixed to them. It is not sufficient to have the warning only on the display box.

The above information was not present on the toy or its packaging.

Warnings and Instructions

7.2 Toys not intended for children under 36 months **Not tested**

Sample: **18MM SHAPE DICE**
Laboratory No: S1100249/AT

2. EN 71 PART 2 : 2006 +A1 2007 FLAMMABILITY

EN 71 Part 2 specifies the categories of flammable materials which are prohibited in all toys and requirements concerning flammability of certain toys when they are subjected to a source of ignition. The sample has been tested with the following results.

4.1 General..... Pass

The toy did not contain highly flammable solids, celluloid or materials with similar behaviour in fire.

3. EN 71 PART 3 : 1994 MIGRATION OF CERTAIN ELEMENTS, AS AMENDED

EN 71 Part 3, as amended, specifies requirements and test methods for the migration of the elements antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium. The sample has been tested with the following results.
See appendix 1 for results.

8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatings Not tested

8.2 Non-textile polymeric and similar materials Pass

Sample: **18MM SHAPE DICE**
Laboratory No: **S1100249/AT**

APPENDIX 1

EN 71 PART 3 : 1994

Date of test: 19.01.11

Method of Analysis: ICP.

Section: 8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatings.

The following did not require testing as there was less than 10 mg of materials.

Material	Sample weight (g)
Black details	0.0029

Sample: 18MM SHAPE DICE
Laboratory No: S1100249/AT

Date of test: 20.01.11

Method of Analysis: ICP.

Section: 8.2 Non-textile polymeric and similar materials.

Element	Limit mg/kg	A ▲
Antimony	60	<10
Arsenic	25	<10
Barium	1000	180
Cadmium	75	<10
Chromium	60	<10
Lead	90	<20
Mercury	60	<10
Selenium	500	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = White dice

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk
NR18 9SB



FAO: Sally Bull

Sample: **18MM SHAPE DICE**

Laboratory No: S1100249/SUP1/AT Order No: ---

Reference No: 031 / 062

Part Code: 03110 Date received: 14th January 2011

Description: 2 white plastic dice with black painted details.

Test conducted: Assessment of Total Cadmium content in accordance with Annex XVII
No 23 to Regulation 1907/2006 (the REACH Regulation).

Results: See report details.

Conclusion: The sample **complied** with the requirements of the above-mentioned test.



Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-01-27 16:02Z

Sue Stacey
Senior Toy Analyst

26th January 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Sample: **18MM SHAPE DICE**
Laboratory No: S1100249/SUP1/AT

REPORT DETAILS

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

TOTAL CADMIUM

The sample was dry ashed in a muffle furnace until the organic matter was removed. The ash residue was then taken up in acid and analysed by inductively coupled plasma atomic emission spectroscopy. The results are shown below.

Item	Total Cadmium (mg/kg)
Polymeric White plastic	<15

EU general limit = 100 mg/kg

Where two or more materials are listed in the same row above they have been tested as a composite sample.

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk
NR18 9SB



FAO: Sally Bull

Sample: **RED 18mm NUMBER DICE**

Laboratory No:	S1100248/LS	Packaging:	Bag
Reference No:	031, 067, 074, 081	Made in:	Not stated
Order No:	---	CE mark:	Not present
Age tested from:	36 months+	Date received:	14/01/2011

Part Code: 03111

Description: Red plastic dice with white painted details.

Tested for children over 36 months of age at the client's request.

Tests conducted:

1. EN 71 Part 1 : 2005 + A9 2009 : Mechanical and physical properties
2. EN 71 Part 2 : 2006 +A1 2007 : Flammability
3. EN 71 Part 3 : 1994 : Migration of certain elements, including amendments A1 (2000) and AC (2002)

Conclusion: The sample **complied as far as tested** with the requirements of EN 71 Part 1 : 2005 + A9 2009.

The sample **complied** with the requirements of EN 71 Part 2 : 2006 +A1 2007 and EN 71 Part 3 : 1994



Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-01-27 15:12Z

Sue Stacey
Senior Toy Analyst

25th January 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Sample: **RED 18mm NUMBER DICE**
Laboratory No: S1100248/LS

REPORT DETAILS

EUROPEAN TOY SAFETY STANDARD

Section numbers below correspond to clauses of the above mentioned standard. Clauses not mentioned are not applicable to the sample.

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Opinions and interpretations are outside the scope of UKAS accreditation.

1. **EN 71 PART 1 : 2005 + A9 2009 : MECHANICAL AND PHYSICAL PROPERTIES**
EN 71 Part 1, as amended, specifies requirements and methods of test for mechanical and physical properties of toys. It also specifies some requirements for packaging, marking and instructions for use. The sample has been tested with the following results.

4.1 MaterialsPass
The toy and materials used in the toy were found to be visually clean and free from infestation.

4.7 EdgesPass
The rigid edges of the toy were free from burrs.

6.0 PackagingPass
The plastic bag had an opening perimeter not more than 380mm.

7 Warnings and instructions for use

7.1 General

Note: Toys must bear the name and address details of the European manufacturer, importer or authorised representative. This must be visible on the toy or its packaging together with the CE marking. Where these details are only on the packaging the consumer must be advised to retain these details for future reference. Small toys that are sold without packaging (for example from a display box or a vending machine) should have appropriate warnings affixed to them. It is not sufficient to have the warning only on the display box.

The above information was not present on the toy or its packaging.

Warnings and Instructions

7.2 Toys not intended for children under 36 monthsNot tested

Sample: **RED 18mm NUMBER DICE**
Laboratory No: S1100248/LS

2. EN 71 PART 2 : 2006 +A1 2007 FLAMMABILITY

EN 71 Part 2 specifies the categories of flammable materials which are prohibited in all toys and requirements concerning flammability of certain toys when they are subjected to a source of ignition. The sample has been tested with the following results.

4.1 General **Pass**
The toy did not contain highly flammable solids, celluloid or materials with similar behaviour in fire.

3. EN 71 PART 3 : 1994 MIGRATION OF CERTAIN ELEMENTS, AS AMENDED

EN 71 Part 3, as amended, specifies requirements and test methods for the migration of the elements antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium. The sample has been tested with the following results.
See appendix 1 for results.

8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatings **Pass**
8.2 Non-textile polymeric and similar materials **Pass**

Sample: **RED 18mm NUMBER DICE**
Laboratory No: S1100248/LS

APPENDIX 1

EN 71 PART 3 : 1994

Date of test: 18/01/2011

Method of Analysis: ICP.

Section: 8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatings.

Element	Limit mg/kg	A
Antimony	60	<10
Arsenic	25	<10
Barium	1000	<70
Cadmium	75	<10
Chromium	60	<10
Lead	90	<20
Mercury	60	<10
Selenium	500	<10
Mass tested in grams (if < 100 mg)	0.0256	

All results are expressed as mg/kg soluble element.

Key:

A = White coating

Sample: **RED 18mm NUMBER DICE**
Laboratory No: S1100248/LS

Date of test: 18/01/2011

Method of Analysis: ICP.

Section: 8.2 Non-textile polymeric and similar materials.

Element	Limit mg/kg	A
Antimony	60	<10
Arsenic	25	<10
Barium	1000	<70
Cadmium	75	<10
Chromium	60	<10
Lead	90	<20
Mercury	60	<10
Selenium	500	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = Red dice

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk
NR18 9SB



FAO: Sally Bull

Sample: **RED 18mm NUMBER DICE**

Laboratory No: S1100248/SUP1/LS **Reference No:** 031, 067, 074, 081

Order No: ---- **Date received:** 14/01/2011

Part Code: 03111

Description: Red plastic dice with white painted details.

Test conducted: Assessment of Total Cadmium content in accordance with Annex XVII
No 23 to Regulation 1907/2006 (the REACH Regulation).

Results: See report details.

Conclusion: The sample **complied** with the requirements of the above-mentioned test.



Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-01-27 15:13Z

Sue Stacey
Senior Toy Analyst

25th January 2011

All results relate only to the sample(s) described for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Sample: **RED 18mm NUMBER DICE**
Laboratory No: S1100248/SUP1/LS

REPORT DETAILS

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

TOTAL CADMIUM

The sample was dry ashed in a muffle furnace until the organic matter was removed. The ash residue was then taken up in acid and analysed by inductively coupled plasma atomic emission spectroscopy. The results are shown below.

Item	Total Cadmium (mg/kg)
Polymeric Red plastic Plastic bag	<15

EU general limit = 100 mg/kg

Where two or more materials are listed in the same row above they have been tested as a composite sample.

TEST REPORT

Client: Orchard Toys Ltd
Unit 16 Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk NR18 9SB



FAO: Sally Bull

Sample: INSEY WINSEY DRAIN PIPES & SPINNER

Laboratory No: S1100718/SJG Packaging: None supplied

Reference No: 031 Made in: Not stated

Order No: ---- CE mark: Not present

Age tested from: 36 mths Date received: 08/02/2011

Part Code: 03105

Description: Eight pieces of card that make up the drain pipes with different coloured spiders and shapes printed on them. One larger piece of card that a spinner should be attached to. (No spinner).

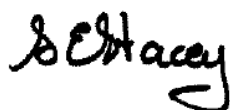
Tested for children over the age of 36 months at the client's request.

Tests conducted:

1. EN 71 Part 1 : 2005 + A9 2009 : Mechanical and physical properties
2. EN 71 Part 2 : 2006 +A1 2007 : Flammability
3. EN 71 Part 3 : 1994 : Migration of certain elements, including amendments A1 (2000) and C1 (2002)

Conclusion: The sample **complied as far as tested** with the requirements of EN 71 Part 1 : 2005 + A9 2009.

The sample **complied** with the requirements of EN 71 Part 2 : 2006 +A1 2007 and EN 71 Part 3 : 1994.



Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-02-23 16:05Z

Sue Stacey
Senior Toy Analyst

22nd February 2011

All results relate only to the samples received for testing.
This report shall not be reproduced except in full, without the written permission of the laboratory.

Sample: **INSEY WINSEY DRAIN PIPES & SPINNER**
Laboratory No: **S1100718/SJG**

REPORT DETAILS

EUROPEAN TOY SAFETY STANDARD

Section numbers below correspond to clauses of the above mentioned standard. Clauses not mentioned are not applicable to the sample.

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Opinions and interpretations are outside the scope of UKAS accreditation.

1. **EN 71 PART 1 : 2005 + A9 2009 : MECHANICAL AND PHYSICAL PROPERTIES**
EN 71 Part 1, as amended, specifies requirements and methods of test for mechanical and physical properties of toys. It also specifies some requirements for packaging, marking and instructions for use. The sample has been tested with the following results.

4.1 Materials **Pass**
The toy and materials used in the toy were found to be visually clean and free from infestation.

4.7 Edges **Pass**
The rigid edges of the toy were free from burrs.

7 Warnings and instructions for use

7.1 General

Note: Toys must bear the name and address details of the European manufacturer, importer or authorised representative. This must be visible on the toy or its packaging together with the CE marking. Where these details are only on the packaging the consumer must be advised to retain these details for future reference. Small toys that are sold without packaging (for example from a display box or a vending machine) should have appropriate warnings affixed to them. It is not sufficient to have the warning only on the display box.

The above information was not present on the toy or its packaging.

Warnings and Instructions

7.2 Toys not intended for children under 36 months **Not tested**

Sample: **INSEY WINSEY DRAIN PIPES & SPINNER**
Laboratory No: **S1100718/SJG**

2. EN 71 PART 2 : 2006 +A1 2007 FLAMMABILITY

EN 71 Part 2 specifies the categories of flammable materials which are prohibited in all toys and requirements concerning flammability of certain toys when they are subjected to a source of ignition. The sample has been tested with the following results.

4.1 General.....Pass

The toy did not contain highly flammable solids, celluloid or materials with similar behaviour in fire.

3. EN 71 PART 3 : 1994 MIGRATION OF CERTAIN ELEMENTS, AS AMENDED

EN 71 Part 3, as amended, specifies requirements and test methods for the migration of the elements antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium. The sample has been tested with the following results.

See appendix 1 for results.

8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatingsPass

8.6 Other materials whether mass coloured or notPass

Sample: **INSEY WINSEY DRAIN PIPES & SPINNER**
Laboratory No: **S1100718/SJG**

APPENDIX 1

EN 71 PART 3 : 1994

Date of test: 14/02/2011

Method of Analysis: ICP.

Section: **8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatings.**

Element	Limit mg/kg	A*	B*
Antimony	60	<10	<10
Arsenic	25	<10	<10
Barium	1000	<70	<70
Cadmium	75	<10	<10
Chromium	60	<10	<10
Lead	90	<20	<20
Mercury	60	<10	<10
Selenium	500	<10	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = Dot print

B = Blue/white

* Additional acid was added to lower the pH.

Sample: **INSEY WINSEY DRAIN PIPES & SPINNER**
Laboratory No: **S1100718/SJG**

Date of test: 14/02/2011

Method of Analysis: ICP.

Section: 8.6 Other materials whether mass coloured or not.

Element	Limit mg/kg	A*	B*
Antimony	60	<10	<10
Arsenic	25	<10	<10
Barium	1000	<70	<70
Cadmium	75	<10	<10
Chromium	60	<10	<10
Lead	90	<20	<20
Mercury	60	<10	<10
Selenium	500	<10	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = Pipe card
B = Spinner card

* The material has a mass per unit area of greater than 400 g/m² and has therefore not been tested under 8.3.

TEST REPORT

Client: Orchard Toys Ltd.
Unit 16
Wymondham Business Park
Chestnut Drive
Wymondham
Norfolk
NR18 9SB



FAO: Sally Bull

Sample: **BG GAMES 3 YEARS+**

Laboratory No: S1008002/LS/AM1 Packaging: Bag

Amendment to report number: S1008002/LS dated 26th January 2011.

Reference No: 030, 031, 032, 033, 034, Made in: Not stated
035, 036, 038, 040, 062,
070, 076, 077, 078, 079,
037, 039 & 505

Order No: --- CE mark: Not present

Age tested from: 36 months+ Date received: 22/12/2010

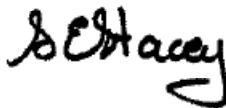
Part Code: 07005

Description: Painted card "Insey Winsey" puzzle game.
Tested for children over 36 months of age at the client's request.

Tests conducted:

1. EN 71 Part 1 : 2005 + A9 2009 : Mechanical and physical properties
2. EN 71 Part 2 : 2006 +A1 2007 : Flammability
3. EN 71 Part 3 : 1994 : Migration of certain elements, including amendments A1 (2000) and AC (2002)

Conclusion: The sample **complied as far as tested** with the requirements of EN 71 Part 1 : 2005 + A9 2009. The sample **complied** with the requirements of EN 71 Part 2 : 2006 +A1 2007 and EN 71 Part 3 : 1994



Digitally signed by Sue Stacey
Reason: I am approving this document
Date: 2011-07-06 13:06+01:00

Sue Stacey
Senior Toy Analyst

4th July 2011

All results relate only to the sample(s) received for testing.
This report shall not be reproduced, except in full, without the written permission of the laboratory.

Sample: **BG GAMES 3 YEARS+**
Laboratory No: **S1008002/LS/AMI**

REPORT DETAILS

EUROPEAN TOY SAFETY STANDARD

Section numbers below correspond to clauses of the above mentioned standard. Clauses not mentioned are not applicable to the sample.

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Opinions and interpretations are outside the scope of UKAS accreditation.

1. EN 71 PART 1 : 2005 + A9 2009 : MECHANICAL AND PHYSICAL PROPERTIES

EN 71 Part 1, as amended, specifies requirements and methods of test for mechanical and physical properties of toys. It also specifies some requirements for packaging, marking and instructions for use. The sample has been tested with the following results.

4.1 Materials **Pass**

The toy and materials used in the toy were found to be visually clean and free from infestation.

4.7 Edges **Pass**

The rigid edges of the toy were free from burrs.

6.0 Packaging **Pass**

The plastic bag had an opening perimeter of more than 380mm and when tested in accordance with 8.25.1 (plastic sheeting thickness) the thickness was greater than 0.038mm. [Perimeter: 440mm] [Thickness: 0.0474mm]

7 Warnings and instructions for use

7.1 General

Note: Toys must bear the name and address details of the European manufacturer, importer or authorised representative. This must be visible on the toy or its packaging together with the CE marking. Where these details are only on the packaging the consumer must be advised to retain these details for future reference. Small toys that are sold without packaging (for example from a display box or a vending machine) should have appropriate warnings affixed to them. It is not sufficient to have the warning only on the display box.

The above information was not present on the toy or its packaging.

Warnings and Instructions

7.2 Toys not intended for children under 36 months **Not tested**

Sample: **BG GAMES 3 YEARS+**
Laboratory No: **S1008002/LS/AM1**

2. EN 71 PART 2 : 2006 +A1 2007 FLAMMABILITY

EN 71 Part 2 specifies the categories of flammable materials which are prohibited in all toys and requirements concerning flammability of certain toys when they are subjected to a source of ignition. The sample has been tested with the following results.

4.1 General..... Pass

The toy did not contain highly flammable solids, celluloid or materials with similar behaviour in fire.

3. EN 71 PART 3 : 1994 MIGRATION OF CERTAIN ELEMENTS, AS AMENDED

EN 71 Part 3, as amended, specifies requirements and test methods for the migration of the elements antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium. The sample has been tested with the following results.

See appendix 1 for results.

8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatings..... Pass

8.6 Other materials whether mass coloured or not Pass

Sample: **BG GAMES 3 YEARS+**
Laboratory No: **S1008002/LS/AMI**

APPENDIX 1

EN 71 PART 3 : 1994

Date of test: 20/01/2011

Method of Analysis: ICP.

Section: **8.1 Coatings of paints, varnishes, lacquers, printing ink, polymers and similar coatings.**

Element	Limit mg/kg	A	B
Antimony	60	<10	<10
Arsenic	25	<10	<10
Barium	1000	<70	<70
Cadmium	75	<10	<10
Chromium	60	<10	<10
Lead	90	<20	<20
Mercury	60	<10	<10
Selenium	500	<10	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = Multicolour puzzle board paint

B = Blue and white paint

Sample: **BG GAMES 3 YEARS+**
Laboratory No: **S1008002/LS/AM1**

Date of test: 20/01/2011

Method of Analysis: ICP.

Section: 8.6 Other materials whether mass coloured or not.

Element	Limit mg/kg	A [^]
Antimony	60	<10
Arsenic	25	<10
Barium	1000	<70
Cadmium	75	<10
Chromium	60	<10
Lead	90	<20
Mercury	60	<10
Selenium	500	<10

Mass tested in grams (if < 100 mg)

All results are expressed as mg/kg soluble element.

Key:

A = Card puzzle pieces

[^]The material has a mass per unit area of greater than 400 g/m² and has therefore not been tested under 8.3.
