

TEST REPORT

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TURT110040713 **REPORT NUMBER:**

APPLICANT NAME Dilemma Games Co., Ltd

ADDRESS The Empire business center, 22/3 Nimmanheaemin Road, T. Suthep A. Muang Number 201,

Chiang Mai, Thailand, 50200

BUYER NOT GIVEN

SAMPLE DESCRIPTION:

Sample 1 One sample of wooden mini star puzzle IQ113A Sample 2 One sample of wooden pagoda 6 pcs IQ510A Sample 3 One sample of wooden star puzzle IQ113 Sample 4 One sample of wooden puzzle IQ101 Sample 5 One sample of wooden 3D cube 25 pcs IQ410 Sample 6 One sample of wooden mini bar puzzle IQ157 Sample 7 One sample of wooden truck matching puzzle IQ753 Sample 8 One sample of wooden falling star IQ123

Sample 9 One sample of wooden pyramid 7pcs IQ505 Sample 10 One sample of wooden pyramid 9 pcs IQ506 Sample 11 One sample of wooden pyramid 5 pcs IQ504

Sample 12 One sample of wooden magic box-cigarette size IQ902B

Sample 13 One sample of wooden magic box IQ902 Sample 14 One sample of wooden drinking area IQ910 Sample 15 One sample of wooden mini football puzzle IQ158 Sample 16 One sample of wooden mini nails cube IQ108B Sample 17 One sample of wooden football puzzle IQ128 Sample 18 One sample of wooden falling ball IQ121 Sample 19 One sample of wooden burr puzzle IQ139 Sample 20 One sample of wooden burr puzle IQ125 Sample 21 One sample of wooden ball in jail IQ117 One sample of wooden rolling ball IQ143 Sample 22 Sample 23 One sample of wooden snake cube IQ315 One sample of wooden x game IQ103 Sample 24 One sample of wooden cigar box puzzle IQ444 Sample 25 Sample 26 One sample of wooden mini pound diamond IQ154 Sample 27 One sample of wooden dog puzzle IQ131C

Sample 28 One sample of wooden airplane puzzle IQ131B Sample 29 One sample of wooden elephant puzzle IQ752 Sample 30 One sample of wooden super 3D train IQ754 Sample 31 One sample of wooden t super train IQ755

Sample 32 One sample of wooden pandora box (4puzzles) IQ702E

PP

Ayşe Çimen Erben

Fatma Dedeoğlu Ateş COORDINATOR

i francis

Hale Özlem Çavumirza TEXTILE LABORATORY MANAGER



Intertek Test Hizmetleri A.S.

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Sample 33 One sample of wooden siegram IQ968

Sample 33 One sample of wooden siegram 1Q968
Sample 34 One sample of wooden pento chess puzzle 1Q952
Sample 35 One sample of wooden tik-tak-toe 3D-m IQ220
Sample 36 One sample of 6 games in a wooden box IQ702A
Sample 37 One sample of wooden domino IQ613

Sample 38 One sample of wooden fancy billiard game IQ255

DATE IN: 29 April, 2011 (11:01)

DATE OUT: 04 May, 2011

COUNTRY OF ORIGIN: TAILAND

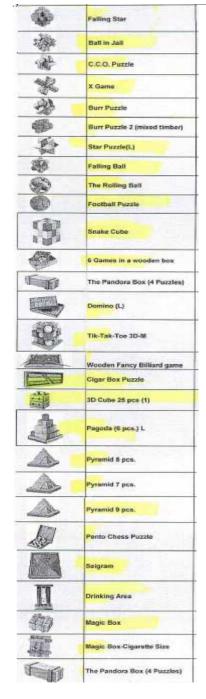


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ITEM NO:





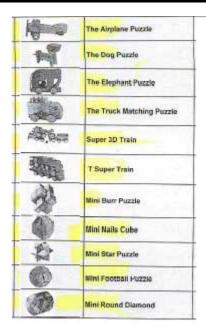
e-mail : labtest.turkey@intertek.com www.intertek-cg-tur.com



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TEST	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
SAFETY OF TOYS-PART 1 MECHANICAL AND PHYSICAL	Р	Р	Р	Р	Р	Р
PROPERTIES	(Except 7.2)					
SAFETY OF TOYS-PART 2:FLAMMABILITY	Р	Р	Р	Р	Р	Р
SAFETY OF TOYS. SPECIFICATION FOR MIGRATION OF CERTAIN ELEMENTS	Р	Р	Р	Р	Р	Р

TEST	Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
SAFETY OF TOYS-PART 1 MECHANICAL AND PHYSICAL	Р	Р	Р	Р	Р	Р
PROPERTIES	(Except 7.2)					
SAFETY OF TOYS-PART 2:FLAMMABILITY	Р	Р	Р	Р	Р	Р
SAFETY OF TOYS. SPECIFICATION FOR MIGRATION OF CERTAIN ELEMENTS	Р	Р	Р	Р	Р	Р

TEST	Sample 13	Sample 14	Sample 15	Sample 16	Sample 17	Sample 18
SAFETY OF TOYS-PART 1 MECHANICAL AND PHYSICAL	Р	Р	Р	Р	Р	Р
PROPERTIES	(Except 7.2)					
SAFETY OF TOYS-PART 2:FLAMMABILITY	Р	Р	Р	Р	Р	Р
SAFETY OF TOYS. SPECIFICATION FOR MIGRATION OF CERTAIN ELEMENTS	Р	Р	Р	Р	Р	Р

TEST	Sample 19	Sample 20	Sample 21	Sample 22	Sample 23	Sample 24
SAFETY OF TOYS-PART 1 MECHANICAL AND PHYSICAL	Р	Р	Р	Р	Р	Р
PROPERTIES	(Except 7.2)					
SAFETY OF TOYS-PART 2:FLAMMABILITY	Р	Р	Р	Р	Р	Р
SAFETY OF TOYS. SPECIFICATION FOR MIGRATION OF CERTAIN ELEMENTS	Р	Р	Р	Р	Р	Р





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TEST	Sample 25	Sample 26	Sample 27	Sample 28	Sample 29	Sample 30
SAFETY OF TOYS-PART 1 MECHANICAL AND PHYSICAL	Р	Р	Р	Р	Р	Р
PROPERTIES	(Except 7.2)					
SAFETY OF TOYS-PART 2:FLAMMABILITY	Р	Р	Р	Р	Р	Р
SAFETY OF TOYS. SPECIFICATION FOR MIGRATION OF CERTAIN ELEMENTS	Р	Р	Р	Р	Р	P

TEST	Sample 31	Sample 32	Sample 33	Sample 34	Sample 35	Sample 36
SAFETY OF TOYS-PART 1 MECHANICAL AND PHYSICAL	Р	Р	Р	Р	Р	Р
PROPERTIES	(Except 7.2)					
SAFETY OF TOYS-PART 2:FLAMMABILITY	Р	Р	Р	Р	Р	Р
SAFETY OF TOYS. SPECIFICATION FOR MIGRATION OF CERTAIN ELEMENTS	Р	Р	Р	Р	Р	Р

TEST	Sample 37	Sample 38
SAFETY OF TOYS-PART 1	Р	Р
MECHANICAL AND PHYSICAL		
PROPERTIES	(Except 7.2)	(Except 7.2)
SAFETY OF TOYS-PART	Р	Р
2:FLAMMABILITY		
SAFETY OF TOYS.	Р	Р
SPECIFICATION FOR		
MIGRATION OF CERTAIN		
ELEMENTS		

P = MEETS BUYER' S REQUIREMENT / F = DOES NOT MEET BUYER' S REQUIREMENT / NR = NO REQUIREMENT / SC=STILL CONTINUES / X=NOT PERFORMED / NA = NOT APPLICABLE / LS : LACK OF SAMPLE

The test results relate only to the items tested. The whole and/or the part of this test report shall not be reproduced and shall not be shared with third parties, nor to be used for PR activities without the written permission of INTERTEK Test Hizmetleri A.S.

The reported uncertainity is based on a standard uncertainity multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainity evaluation has been carried out in accordance with ISO/IEC 17025 and UKAS accreditation requirements. Unless otherwise is specified, all Pass or Fail results are given without uncertainity considered. When uncertainity is taken into account, the result may be borderline. Borderline results need to be re-tested to determine their disposition up to customer's decision. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. Tests marked (*) in this test report are not included in the UKAS accreditation schedule for this laboratory.





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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

(*)Specification: BS EN 71-1: 2005+A9: 2009, EN 71-1: 2005+A9: 2009 – Safety of Toys - Specification for Mechanical and Physical Properties

Sample 1&2&3&4&5&6&8&9&10&11&12&13&14&15&16&17&18&19&20&22&23&24&25&26&27&28&32&33&34&36&37

The item was labelled "Not suitable for children under 5 years old due to small parts and sharp edge." The item was tested for children aged over 36 months.

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
7	Warning and Instruction for Use	
7.1	General	Pass
7.2	Toys not intended for children under 36 months The item, its packaging or accompanying leaflet must be labeled with: -The following warning, "Warning! Not suitable for children under 36 months " with a brief indication of the specific hazard. - The graphical symbol was found to be <i>incorrect</i> (too small/incorrectly color) so that the graphical symbol is either corrected or removed from the packaging.	See Comments





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(*)Specification: BS EN 71-1: 2005+A9: 2009, EN 71-1: 2005+A9: 2009 – Safety of Toys - Specification for Mechanical and Physical Properties

Sample 7

The item was labelled "Not suitable for children under 5 years old due to small parts and sharp edge." The item was tested for children aged over 36 months.

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
4.22	Small Balls	Pass
7	Warning and Instruction for Use	
7.1	General	Pass
7.2	Toys not intended for children under 36 months The item, its packaging or accompanying leaflet must be labeled with: -The following warning, "Warning! Not suitable for children under 36 months " with a brief indication of the specific hazard. - The graphical symbol was found to be <i>incorrect</i> (too small/incorrectly color) so that the graphical symbol is either corrected or removed from the packaging.	See Comments





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(*)Specification: BS EN 71-1: 2005+A9: 2009, EN 71-1: 2005+A9: 2009 – Safety of Toys - Specification for Mechanical and Physical Properties

Sample 21

The item was labelled "Not suitable for children under 5 years old due to small parts and sharp edge." The item was tested for children aged over 36 months.

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
4.22	Small Balls	Pass
7	Warning and Instruction for Use	
7.1	General	Pass
7.2	Toys not intended for children under 36 months The item, its packaging or accompanying leaflet must be labeled with: -The following warning, "Warning! Not suitable for children under 36 months " with a brief indication of the specific hazard. - The graphical symbol was found to be <i>incorrect</i> (too small/incorrectly color), so that the graphical	See Comments
	- The graphical symbol was found to be <i>incorrect</i> (too small/incorrectly color) so that the graphical symbol is either corrected or removed from the packaging.	





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(*)Specification: BS EN 71-1: 2005+A9: 2009, EN 71-1: 2005+A9: 2009 – Safety of Toys - Specification for Mechanical and Physical Properties

Sample 29

The item was labelled "Not suitable for children under 5 years old due to small parts and sharp edge." The item was tested for children aged over 36 months.

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
7	Warning and Instruction for Use	
7.1	General	Pass
7.2	Toys not intended for children under 36 months The item, its packaging or accompanying leaflet must be labeled with: -The following warning, "Warning! Not suitable for children under 36 months " with a brief indication of the specific hazard. - The graphical symbol was found to be <i>incorrect</i> (too small/incorrectly color) so that the graphical symbol is either corrected or removed from the packaging.	See Comments





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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

(*)Specification: BS EN 71-1: 2005+A9: 2009, EN 71-1: 2005+A9: 2009 – Safety of Toys - Specification for Mechanical and Physical Properties

Sample 30

The item was labelled "Not suitable for children under 5 years old due to small parts and sharp edge." The item was tested for children aged over 36 months.

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
4.22	Small Balls	Pass
7.1	General	Pass
7.2	Toys not intended for children under 36 months The item, its packaging or accompanying leaflet must be labeled with: -The following warning, "Warning! Not suitable for children under 36 months " with a brief indication of the specific hazard. - The graphical symbol was found to be <i>incorrect</i> (too small/incorrectly color) so that the graphical symbol is either corrected or removed from the packaging.	See Comments





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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

(*)Specification: BS EN 71-1: 2005+A9: 2009, EN 71-1: 2005+A9: 2009 – Safety of Toys - Specification for Mechanical and Physical Properties

Sample 31

The item was labelled "Not suitable for children under 5 years old due to small parts and sharp edge." The item was tested for children aged over 36 months.

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
4.22	Small Balls	Pass
7.1	General	Pass
7.2	Toys not intended for children under 36 months The item, its packaging or accompanying leaflet must be labeled with: -The following warning, "Warning! Not suitable for children under 36 months " with a brief indication of the specific hazard. - The graphical symbol was found to be <i>incorrect</i> (too small/incorrectly color) so that the graphical symbol is either corrected or removed from the packaging.	See Comments





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(*)Specification: BS EN 71-1: 2005+A9: 2009, EN 71-1: 2005+A9: 2009 – Safety of Toys - Specification for Mechanical and Physical Properties

Sample 35

The item was labelled "Not suitable for children under 5 years old due to small parts and sharp edge." The item was tested for children aged over 36 months.

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
4.22	Small Balls	Pass
7.1	General	Pass
7.2	Toys not intended for children under 36 months The item, its packaging or accompanying leaflet must be labeled with: -The following warning, "Warning! Not suitable for children under 36 months " with a brief indication of the specific hazard. - The graphical symbol was found to be <i>incorrect</i> (too small/incorrectly color) so that the graphical symbol is either corrected or removed from the packaging.	See Comments





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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

(*)Specification: BS EN 71-1: 2005+A9: 2009, EN 71-1: 2005+A9: 2009 – Safety of Toys - Specification for Mechanical and Physical Properties

Sample 38

The item was labelled "Not suitable for children under 5 years old due to small parts and sharp edge." The item was tested for children aged over 36 months.

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
4.22	Small Balls	Pass
7.1	General	Pass
7.2	Toys not intended for children under 36 months The item, its packaging or accompanying leaflet must be labeled with: -The following warning, "Warning! Not suitable for children under 36 months " with a brief indication of the specific hazard. - The graphical symbol was found to be <i>incorrect</i> (too small/incorrectly color) so that the graphical symbol is either corrected or removed from the packaging.	See Comments





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Specification: BS EN 71-2: 2006+A1: 2007, EN 71-2: 2006+A1: 2007 Safety of Toys - Flammability

Sample

1&2&3&4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24&25&26&27&28&29&30&31&32&33&34&35&36&37&38

SECTION	TEST	RESULTS
		•
4.1	General	
	Celluloid/cellulose nitrate and materials with a similar burning behaviour in fire	





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Safety of toys. Specification for Migration of Certain Elements

BS EN 71-3: 1995

Acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma-ICP_OES.

Sample

1&2&3&4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24&25&26&27&28&29&3 0&31&32&33&34&35&36&37&38

			RESULT IN ppm	PASS/FAIL	<u>Requirement</u>
Composite comple of hr	own woodon	nort boigo	noru woodon nort		<u>(ppm)</u>
Composite sample of bro		-	-	DACC	00
	Antimony	(Sb)	<2 ppm	PASS	60
	Arsenic	(As)	<2 ppm	PASS	25
	Barium	(Ba)	<2 ppm	PASS	1000
	Cadmium	(Cd)	<2 ppm	PASS	75
	Chromium	(Cr)	<5 ppm	PASS	60
	Lead	(Pb)	<5 ppm	PASS	90
	Mercury	(Hg)	<2 ppm	PASS	60
	Selenium	(Se)	<2 ppm	PASS	500
Composite sample of ora	ange, red, ye	llow ball.			
	Antimony	(Sb)	<2 ppm	PASS	60
	Arsenic	(As)	<2 ppm	PASS	25
	Barium	(Ba)	<2 ppm	PASS	1000
	Cadmium	(Cd)	<2 ppm	PASS	75
	Chromium	(Cr)	<5 ppm	PASS	60
	Lead	(Pb)	<5 ppm	PASS	90
	Mercury	(Hg)	<2 ppm	PASS	60
	Selenium	(Se)	<2 ppm	PASS	500
ppm (part per million)	=mg / kg =Less Tha	n			

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(Total uncertainty=Results quoted have been corrected for uncertainty. -)





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Test Method Result Requirements

Safety of toys. Specification for Migration of Certain Elements

BS EN 71-3: 1995

Acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma-ICP_OES.

Sample

<u>1&2&3&4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24&25&26&27&28&29&3</u> 0&31&32&33&34&35&36&37&38

			RESULT IN ppm	PASS/FAIL	<u>Requirement</u>
Composite sample of gr	oon blue nu	rnio ball			<u>(ppm)</u>
Composite sample of gr	_	-	.2	DACC	00
	Antimony	(Sb)	<2 ppm	PASS	60
	Arsenic	(As)	<2 ppm	PASS	25
	Barium	(Ba)	<2 ppm	PASS	1000
	Cadmium	(Cd)	<2 ppm	PASS	75
	Chromium	(Cr)	<5 ppm	PASS	60
	Lead	(Pb)	<5 ppm	PASS	90
	Mercury	(Hg)	<2 ppm	PASS	60
	Selenium	(Se)	<2 ppm	PASS	500
Composite sample of bl	ack, white ba	ll, black wood	en part.		
	Antimony	(Sb)	<2 ppm	PASS	60
	Arsenic	(As)	<2 ppm	PASS	25
	Barium	(Ba)	<2 ppm	PASS	1000
	Cadmium	(Cd)	<2 ppm	PASS	75
	Chromium	(Cr)	<5 ppm	PASS	60
	Lead	(Pb)	<5 ppm	PASS	90
	Mercury	(Hg)	<2 ppm	PASS	60
	Selenium	(Se)	<2 ppm	PASS	500
ppm (part per million)	=mg / kg =Less Tha	n			

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(Total uncertainty=Results quoted have been corrected for uncertainty. -)

Safety of toys. Specification for Migration of Certain Elements

BS EN 71-3: 1995

Acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma-ICP_OES.

Sample

<u>1&2&3&</u>4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24&25&26&27&28&29&3 <u>0&31&32&33&34&35&36&37&38</u>

			RESULT IN ppm	PASS/FAIL	Requirement (ppm)
Composite sample of gre	een fabric, re	d, green cord.			155
	Antimony	(Sb)	<2 ppm	PASS	60
	Arsenic	(As)	<2 ppm	PASS	25
	Barium	(Ba)	<2 ppm	PASS	1000
	Cadmium	(Cd)	<2 ppm	PASS	75
	Chromium	(Cr)	<5 ppm	PASS	60
	Lead	(Pb)	<5 ppm	PASS	90
	Mercury	(Hg)	<2 ppm	PASS	60
	Selenium	(Se)	<2 ppm	PASS	500
Composite sample of wh	nite, blue, red	d dye.			
	Antimony	(Sb)	<2 ppm	PASS	60
	Arsenic	(As)	<2 ppm	PASS	25
	Barium	(Ba)	<2 ppm	PASS	1000
	Cadmium	(Cd)	<2 ppm	PASS	75
	Chromium	(Cr)	<5 ppm	PASS	60
	Lead	(Pb)	<5 ppm	PASS	90
	Mercury	(Hg)	<2 ppm	PASS	60
	Selenium	(Se)	<2 ppm	PASS	500
ppm (part per million)	=mg / kg =Less Tha	n			

(Total uncertainty=Results quoted have been corrected for uncertainty. -)





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Safety of toys. Specification for Migration of Certain Elements

BS EN 71-3: 1995

Acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma-ICP_OES.

<u>Sample</u>

 $\frac{1828384858687888981081181281381481581681781881982082182282382482582682782882983}{0831832833834835836837838}$

			RESULT IN ppm	PASS/FAIL	Requirement (ppm)
Composite sample of gro	een, yellow, l	olack dye.			<u></u>
	Antimony	(Sb)	<2 ppm	PASS	60
	Arsenic	(As)	<2 ppm	PASS	25
	Barium	(Ba)	<2 ppm	PASS	1000
	Cadmium	(Cd)	<2 ppm	PASS	75
	Chromium	(Cr)	<5 ppm	PASS	60
	Lead	(Pb)	<5 ppm	PASS	90
	Mercury	(Hg)	<2 ppm	PASS	60
	Selenium	(Se)	<2 ppm	PASS	500
Composite sample of me	etallic hook p	art, screw.			
	Antimony	(Sb)	<2 ppm	PASS	60
	Arsenic	(As)	<2 ppm	PASS	25
	Barium	(Ba)	<2 ppm	PASS	1000
	Cadmium	(Cd)	<2 ppm	PASS	75
	Chromium	(Cr)	<5 ppm	PASS	60
	Lead	(Pb)	<5 ppm	PASS	90
	Mercury	(Hg)	<2 ppm	PASS	60
	Selenium	(Se)	<2 ppm	PASS	500
ppm (part per million) <	=mg / kg =Less Tha	n			

(Total uncertainty=Results quoted have been corrected for uncertainty. -)





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Safety of toys. Specification for Migration of Certain Elements

BS EN 71-3: 1995

Acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma-ICP_OES.

<u>Sample</u>

<u>1&2&3&4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24&25&26&27&28&29&3</u> <u>0&31&32&33&34&35&36&37&38</u>

			RESULT IN ppm	PASS/FAIL	Requirement (ppm)
Yellow cord.					<u> </u>
	Antimony	(Sb)	<2 ppm	PASS	60
	Arsenic	(As)	<2 ppm	PASS	25
	Barium	(Ba)	<2 ppm	PASS	1000
	Cadmium	(Cd)	<2 ppm	PASS	75
	Chromium	(Cr)	<5 ppm	PASS	60
	Lead	(Pb)	<5 ppm	PASS	90
	Mercury	(Hg)	<2 ppm	PASS	60
	Selenium	(Se)	<2 ppm	PASS	500
ppm (part per million) <	=mg / kg =Less Tha	n			

(Total uncertainty=Results quoted have been corrected for uncertainty. -)





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