



**BUREAU  
VERITAS**

**Lab Report: (6608) 345-0904**

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Page 1 of 11

STEPHANIE TANG

SHANGHAI GUELDPENPFENNIG/MBW

20<sup>TH</sup> FLOOR, SUNTIME INTERNATIONAL MANSION. NO.450, LUSHAN RD, PUDONG, SHANGHAI.

Sample Description:	SQUEEZLES WORKERS	Sample Size:	1 CARTON
Vendor:	SHANGHAI GUELDPENPFENNIG/MBW	Reference No.:	N/A
Manufacturer:	N/A	SKU/SKN No.:	N/A
Destination:	N/A	Style NO:	N/A
Labeled Age Grade:	N/A	PO NO:	N/A
Appropriate Age Grade:	N/A	Country of Origin:	CHINA
Client Specified Age Grade:	OVER 3 YEARS	Country of Destination:	GERMANY
Grade:		Department No.:	N/A
Tested Age Grade:	OVER 3 YEARS		
UPC Code:	N/A		

**EXECUTIVE SUMMARY:**

The samples are IN COMPLIANCE WITH the following requirement(s) requested by the client:

- The mechanical and physical properties requirements of the tested subclauses of the European Standard, "Safety of toys", EN71: Part 1: 2005 + A6: 2008, Clause 1-6.
- The flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2006 + A1: 2007.
- The migration of certain elements requirements of the European Standard, "Safety of toys", EN 71: Part 3: 1994, and Amendments – A1: 2000 / AC: 2002.
- The Cadmium Content requirement of European Directive 91/338/EEC.
- The Phthalates Content requirement of the European Directive 2005/84/EC.



SHANGHAI GUELDENPFENNIG/MBW

**(6608) 345-0904**

January 06, 2009

Page 2 of 11

**RESULTS:**

The samples are IN COMPLIANCE WITH the following requirement(s) requested by the client:

- The monomers (migration) requirements of the European Standard, "Safety of Toys: Organic Chemical Compounds - Requirement", EN 71: Part 9: 2005, and Amendment A1: 2007.
- The plasticisers (migration) requirements of the European Standard, "Safety of Toys: Organic Chemical Compounds - Requirement", EN 71: Part 9: 2005, and Amendment A1: 2007.
- The solvent migration requirements of the European Standard, "Safety of toys: Organic Chemical Compounds- Requirement", EN 71-Part 9:2005, and Amendment A1:2007.

Note:

1. The sample is tested for children "OVER 3 YEARS" as the client's request.
2. No relevant packaging was provided with the submitted sample(s), consequently, evaluation of the labeling requirements of this European Standard, "Safety of toys", EN 71:Part 1:2005+ A6: 2008, Clause 7, was not conducted.

**BVCPS (shanghai) contact information for this report**

**Technical Questions:**

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**BUREAU VERITAS  
CONSUMER PRODUCTS SERVICES (SHANGHAI)**

JOY SHI  
LAB MANAGER (TOYS AND JUVENILE PRODUCTS DIVISION)

Ci/Jo/AL

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**RESULTS:**

**APPROPRIATE AGE GRADE DETERMINATION**

The Appropriate Age Grade is determined with reference to the EN71: Part 1: 2005, CR 14379:2002 "Classification of toys-Guidelines" prepared by Technical Committee CEN TC 52 and Age Grade Determination Guidelines of the Consumer Product Safety Commission (CPSC).

Note: If the client does not specify an age grade for testing or request BVCPS to determine an appropriate age grade, the labeled age grade will be used for testing.

**MONOMERS (MIGRATION) CONTENT (EN 71: Part 9: 2005 and Amendment A1: 2007)**

Test method: EN 71: Part 10: 2005 and EN 71: Part 11: 2005

Sample Identity	Test Component	Location	Style
A.	blue foam	worker	

Test Parameter	A.	Limit (mg/L)
Acrylamide	LT 0.02	0.02
Bisphenol A	LT 0.01	0.1
Phenol	LT 1	15
Styrene	LT 0.1	0.75
Formaldehyde	LT 0.1	2.5
Conclusion	Pass	

mg/kg = milligram per kilogram

LT = Less than

**RESULTS:**

**SOLVENTS MIGRATION CONTENT (EN 71: Part 9: 2005 and Amendment A1: 2007)**

Test method: EN 71: Part 10: 2005 and EN 71: Part 11: 2005

Sample Identity	Test Component	Location	Style
A.	blue foam	worker	

Test Parameter	A.	Limit
Trichloroethylene	LT 1	20 µg/L
Dichloromethane	LT 0.05	0.06 mg/L
Sum of 2-Methoxyethyl acetate, 2-Ethoxyethanol, 2-Ethoxyethyl acetate & Bis(2-methoxyethyl) ether	LT 0.4	0.5 mg/L
Methanol	LT 0.5	5 mg/L
Nitrobenzene	LT 0.01	0.02 mg/L
Cyclohexanone	LT 3	46 mg/L
3,5,5-Trimethyl-2-cyclohexene-1-one	LT 0.5	3 mg/L
Toluene	LT 1	2 mg/L
Ethylbenzene	LT 0.5	1 mg/L
Xylene (all isomers)	LT 1	2mg/L
Conclusion	Pass	

mg/L = milligram per liter  
 µg/L = microgram per liter

LT = Less than

Note: 2-Methoxypropyl acetate was not evaluated.

**PLASTICIZERS (MIGRATION) CONTENT (EN 71: Part 9: 2005 and Amendment A1: 2007)**

Test method: EN 71: Part 10: 2005 and EN 71: Part 11: 2005

Sample Identity	Test Component	Location	Style
A.	blue foam	worker	

Test Parameter	A.	Limit (mg/L)
Triphenyl phosphate	LT 0.01	0.03
Tri-o-cresyl phosphate	LT 0.01	0.03
Tri-m-cresyl phosphate	LT 0.01	0.03
Tri-p-cresyl phosphate	LT 0.01	0.03
Conclusion	Pass	

mg/kg = milligram per kilogram

LT = Less than



**RESULTS:**

**APPROPRIATE AGE GRADE DETERMINATION**

The Appropriate Age Grade is determined with reference to the EN71 : Part 1 : 2005, CR 14379:2002 "Classification of toys-Guidelines" prepared by Technical Committee CEN TC 52 and Age Grade Determination Guidelines of the Consumer Product Safety Commission (CPSC).

Note : If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.

**EXPLANATION OF THE ABBREVIATIONS FOR PART 1, 2 & 6**

Symbol	Explanation				
NM	The samples are NOT IN COMPLIANCE WITH the requirement of this Subclause				
M	The samples are IN COMPLIANCE WITH the requirement of this Subclause				
N/A	Not Applicable				
NR	Not Requested				
NE	Not Evaluated				
NP	None Present				
P	Present				
R	Refer to Comment Section of this report				
Symbol	Language Present	Symbol	Language Present	Symbol	Language Present
B	Belgian language	G	German language	PR	Portuguese language
D	Danish language	GR	Greek language	S	Spanish language
E	English language	H	Dutch language	SD	Swedish language
F	Finnish language	I	Italian language	SZ	Swiss language
FR	French language	N	Norwegian language		

**RESULTS:**

**MECHANICAL & PHYSICAL PROPERTIES  
(EN 71: PART 1: 2005 AND AMENDMENT A6: 2008)**

Subclause	Requirement	Result
4.1	Materials	M
4.2	Assembly	N/A
4.3	Flexible plastic sheeting	N/A
4.4	Toy Bags	N/A
4.5	Glass	N/A
4.6	Expanding materials	N/A
4.7 & 7.6	Edges	M
4.8 & 7.6	Points and metallic wires	M
4.9	Protruding parts	N/A
4.10.1	Folding and sliding mechanisms	N/A
4.10.2	Driving mechanisms	N/A
4.10.3	Hinges	N/A
4.10.4	Springs	N/A
4.11	Mouth actuated toys	N/A
4.12 & 7.3	Balloons	N/A
4.13 & 7.9	Toys Kites and other flying toys	N/A
4.14.1	Toys which a child can enter	N/A
4.14.2 & 7.8	Masks and helmets	N/A
4.15.1	Toys propelled by child	N/A
4.15.1.2 & 7.10 & 7.16	Toys propelled by child – Instructions for use	N/A
4.15.1.3	Toys propelled by child – Strength	N/A
4.15.1.4	Toys propelled by child – Stability	N/A
4.15.1.5	Toys propelled by child – Braking	N/A
4.15.1.6	Toys propelled by child - Transmission	N/A
4.15.2	Free wheeling toy bicycles	N/A
4.15.2.2 & 7.15	Toy bicycles – Instruction for use	N/A
4.15.2.3	Toy bicycles – Saddle height	N/A
4.15.2.4	Toy bicycles - Braking	N/A
4.15.3 & 7.16	Rocking horses	N/A
4.15.4 & 7.16	Toys not propelled by child	N/A
4.15.5 & 7.18	Toys scooters	N/A
4.16	Heavy immobile toys	N/A
4.17.1	Projectiles – General	N/A
4.17.2	Projectiles toys without stored energy	N/A
4.17.3 & 7.7	Projectile toys with stored energy	N/A
4.17.4 & 7.7	Bows and arrows	N/A
4.18 & 7.4	Aquatic toys	N/A
4.19 & 7.13	Percussion caps specifically designed for use in toys and toys using percussion caps	N/A

**RESULTS:**

**MECHANICAL & PHYSICAL PROPERTIES  
(EN 71: PART 1: 2005 AND AMENDMENT A6: 2008)**

Subclause	Requirement	Result
4.20 * a, b, c, e, f, & 7.14	Acoustics	N/A
4.20d	Acoustics – Percussion caps	N/A
4.21	Toys containing a non-electrical heat source	N/A
4.22	Small balls	N/A
	<b>FOR TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS</b>	
5.1	General	N/A
5.1a	Small parts – as received	N/A
5.1b	Small parts, sharp points, sharp edges – after tests	N/A
5.1c	Cross section < 2mm metal points & wires	N/A
5.1e	Toys contain glue	N/A
5.1f	Splinters	N/A
5.1g	Casing of toys	N/A
5.2	Filing materials	N/A
5.3	Adhesion of plastic sheeting	N/A
5.4 & 7.11	Cords on toys	N/A
5.5 & 7.12	Liquid filled toys	N/A
5.6	Electrically driven toys	N/A
5.7	Glass and porcelain	N/A
5.8	Shape and size	N/A
5.9 & 7.17	Monofilament fibres	N/A
5.10	Small balls	N/A
5.11	Play figures	N/A
5.12	Hemispheric shaped toys	N/A
5.13	Suction cups	N/A
6	Packaging	N/A
	<b>WARNINGS, INSTRUCTIONS FOR USE</b>	
7.1	Importer name & address	N/A
7.1	Retain statement	N/A
7.1	CE marking – Form and dimension	N/A
7.2	Toys not intended for children under 36 months	N/A
7.5	Functional toys	N/A
NIL	Magnet warning	N/A



**RESULTS:**

Element	Arsenic	Barium	Cadmium	Chromium	Mercury	Lead	Antimony	Selenium	
Max. Limit (Cat. I) (mg/kg)	25	1000	75	60	60	90	60	500	
Max. Limit (Cat. II) (mg/kg)	25	250	50	25	25	90	60	500	
Analytical Correction	60%	30%	30%	30%	50%	30%	60%	60%	
Sample	Result (mg/kg)								Conclusion
D	LT 2.5	LT 5	LT 5	LT 5	LT 5	LT 5	LT 5	LT 5	Pass
E	LT 2.5	LT 5	LT 5	LT 5	LT 5	LT 5	LT 5	LT 5	Pass
F.	LT 2.5	LT 5	LT 5	LT 5	LT 5	LT 5	LT 5	LT 5	Pass

mg/kg = milligrams per kilogram (ppm=parts per million)  
CR = adjusted analytical result

LT = Less Than  
\* = Average of duplicate analysis

**TOTAL CADMIUM CONTENT:**

Properties	Methods/Requirements	Results
Total Cadmium Content	91/338/EEC / MAX. 100PPM	Black/flesh & material (face): Less than 10PPM Coffee on hair & foot: Less than 10PPM White on coat: Less than 10PPM Yellow on trousers: Less than 10PPM Silver/coffee on tool: Less than 10PPM Grey on spanner: Less than 10PPM Blue sponge (inner bingy): Less than 10PPM

**RESULTS:**

**PHTHALATES CONTENT IN TOYS AND CHILDCARE ARTICLES (European Communities 2005/84/EC BBP / DBP / DEHP CONTENT)**

Sample Identity	Test Component	Location	Style
A.	Coating man	/	/

Test Parameter:	DBP	BBP	DEHP	Sum of three phthalates	
Limit (%):	0.1	0.1	0.1	0.1	
Sample	Result (%)				Conclusion
A.	LT 0.005	LT 0.005	LT 0.005	LT 0.015	Pass

*Detection Limit :*

*BBP = Butyl benzyl phthalate (0.005%)*

*DBP = Dibutyl phthalate (0.005%)*

*DEHP = Di(2-ethylhexyl) phthalate (0.005%)*

*Results reported in percentage*

*LT = Less than*

*ND = None detected*

**PHTHALATES CONTENT IN TOYS AND CHILDCARE ARTICLES WHICH CAN BE PLACED IN MOUTH BY THE CHILDREN (European Communities 2005/84/EC DNOP / DINP / DIDP CONTENT)**

Sample Identity	Test Component	Location	Style
A.	Coating man	/	/

Test Parameter:	DNOP	DIDP	DINP	Sum of three phthalates	
Limit (%):	0.1	0.1	0.1	0.1	
Sample	Result (%)				Conclusion
A.	LT 0.005	LT 0.005	LT 0.005	LT 0.015	Pass

*Detection Limit :*

*DNOP = Di-n-octyl phthalate (0.005%)*

*DINP = Di-iso-nonyl phthalate (0.005%)*

*DIDP = Di-iso-decyl phthalate (0.005%)*

*Results reported in percentage*

*LT = Less than*

*ND = None detected*

**RESULTS:**



END OF REPORT