



**BUREAU
VERITAS**

CONSUMER PRODUCTS SERVICES DIVISION

JOKER (FAR EAST) LTD

Technical Report: (8509)127-0052
Date Received: May 07, 2009

May 15, 2009
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HARRIS CHAN
JOKER (FAR EAST) LTD
UNIT 501 ENERGY PLAZA
92 GRANVILLE RD
TSIM SHA TSUI
KOWLOON
HONG KONG

Sample Description:	POWERLIGHT SLIMY 33405 ORIGINAL SWISS FORMULA (ON PACKAGING: SLIMY POWER LIGHT)		
	1.) GREEN		
	2.) YELLOW		
	3.) PINK		
Vendor:	JOKER (FAR EAST) LTD	Sample Size:	6
Manufacturer:	LS	Style No(s):	33405
Buyer:	JOKER	SKN/SKU No.:	N/A
Labeled Age Grade:	+3	PO No.:	N/A
Appropriate Age Grade:	NOT REQUESTED	Ref #:	N/A
Client Specified Age Grade:	NOT SPECIFIED	Country of Origin:	CHINA
Tested Age Grade:	OVER 3 YEARS OF AGE	Assortment No.:	N/A
UPC Code:	7611212334055	Test Starting Date:	MAY 07, 2009
Test Finished Date:	MAY 15, 2009		

EXECUTIVE SUMMARY:

The sample(s) MEET the following requirement(s):

- The mechanical and physical properties requirements of the tested subclasses of the European Standard, "Safety of toys", EN71: Part 1:2005, and Amendment A6:2008, Clauses 1-7.
- The flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2006, and Amendment A1: 2007.
- The migration of certain elements requirements of the European Standard, "Safety of toys", EN /1: Part 3: 1994, and Amendments - A1:2000/ AC:2002.

BUREAU VERITAS HONG KONG LIMITED

Wendy Cha

Wendy Cha
Manager
Toys and Juvenile Products Department

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RESULTS:

APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is determined with reference to the EN71 : Part 1 : 2005, CR 143/9:2002 "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 sample(s) DOES NOT MEET the requirement of this Subclause				
M	The sample(s) MEET 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		



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RESULTS:

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

Subclause	Requirement	Result
4.1	Materials	M
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7 & 7.6	Edges	M
4.8 & 7.6	Points and metallic wires	M
4.9	Protruding parts	NA
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	NA
4.10.3	Hinges	NA
4.10.4	Springs	NA
4.11	Mouth actuated toys	NA
4.12 & 7.3	Balloons	NA
4.13 & 7.9	Toys Kites and other flying toys	NA
4.14.1	Toys which a child can enter	NA
4.14.2 & 7.8	Masks and helmets	NA
4.15.1	Toys propelled by child	NA
4.15.1.2 & 7.10 & 7.16	Toys propelled by child – Instructions for use	NA
4.15.1.3	Toys propelled by child – Strength	NA
4.15.1.4	Toys propelled by child – Stability	NA
4.15.1.5	Toys propelled by child – Braking	NA
4.15.1.6	Toys propelled by child – Transmission	NA
4.15.2	Free wheeling toy bicycles	NA
4.15.2.2 & 7.15	Toy bicycles – Instruction for use	NA
4.15.2.3	Toy bicycles – Saddle height	NA
4.15.2.4	Toy bicycles – Braking	NA
4.15.3 & 7.16	Rocking horses	NA
4.15.4 & 7.16	Toys not propelled by child	NA
4.15.5 & 7.19	Toys scooters	NA
4.16	Heavy immobile toys	NA
4.17.1	Projectiles – General	NA
4.17.2	Projectiles toys without stored energy	NA
4.17.3 & 7.7	Projectile toys with stored energy	NA
4.17.4 & 7.7	Bows and arrows	NA
4.18 & 7.4	Aquatic toys	NA
4.19 & 7.13 & 7.14	Percussion caps	NA
4.20*a, b, c, e, f, & 7.14	Acoustics	NA



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RESULTS:

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

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



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RESULTS:

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 1

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.3	8.25.1	4.14.2	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.11, 8.12	4.17.3	8.24.1	5.5	8.15
4.6	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.14	4.15.1.3	8.11, 8.12, 8.21, 8.22	4.17.4	8.24.2	5.6	8.29
4.7	8.11	4.15.1.4	8.23.1	4.18	8.2, 8.3, 8.4.2.1	5.8	8.16
4.8	8.12, 8.13	4.15.1.5	8.26.1	4.20	8.28	5.10	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, 8.32
4.9	8.4.2.3, 8.11, 8.12	4.15.2.4	8.26.2	4.21	8.30	5.11	8.33
4.10.1	8.18.2, 8.18.3	4.15.3	8.21, 8.23.1	4.22	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.32	5.12	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9,
4.10.2	8.5, 8.6, 8.7, 8.11, 8.12	4.15.4	8.21, 8.23.1	5.1	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.9, 8.11, 8.12	5.13	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32
4.11	8.2, 8.3, 8.4.2.1, 8.9, 8.17	4.15.5	8.11, 8.12, 8.21, 8.22, 8.26.3, 8.27	5.2	8.2, 8.4.2.2, 8.10		
4.13	8.19	4.16	8.23.2	5.3	8.4.2.1, 8.25		
4.14.1	8.31.1, 8.31.2	4.17.1	8.4.2.3	5.4	8.20		

* Note: With modification by using Sound level meter complying with the specifications of IEC60651 and IEC60804.



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RESULTS:

FLAMMABILITY (EN 71: PART 2: 2008 & AMENDMENT A1: 2007)

Subclause	Requirement	Result
4.1	Celluloid (cellulose nitrate)	NP
4.1	Dangerous flammable gases, liquids and solids	NP
4.1	Materials with a pile surface which produces a flash effect on the approach of a flame	NA
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by child on play	NA
4.3	Toy disguise costumes and toys intended to be worn by child on play with warning	NA
4.4	Toys intended to be entered by a child	NA
4.4	Toys intended to be entered by a child with warning	NA
4.5	Filled soft toys with a pile or textile surface	NA

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 2

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.2.2	5.2	4.2.4	5.3	4.3	5.4	4.5	5.5
4.2.3	5.3	4.2.5	5.4	4.4	5.4	-	-



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RESULTS:

MIGRATION OF CERTAIN ELEMENTS (EN 71-3: 1994 and Amendments-A1:2000/AC:2002)

Test Method: Soluble heavy metals content analysis was determined by Inductively Coupled Plasma Spectrometry.

Sample Identity	Color	Location	Style
Material classification: Category I - SURFACE COATINGS			
A.	Blue	Words & pattern	All
Material classification: Category I - POLYMERIC MATERIALS			
B.	Red	Cover	All
C.	Black	Frame	All
D.	Transparent	Body	All
E.	Black printed green plastic	Body	All
Material classification: Category I - OTHER MATERIALS			
F.	Green	Shiny	1
G.	Yellow	Shiny	2
H.	Pink	Shiny	3

Element	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Mass of trace Amount	(gram)	Conclusion
Max. Limit (Category I) (mg/kg)	25	1000	75	60	60	90	60	500			
Max. Limit (Category 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)								(gram)	Conclusion	
A	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	0.0101	Pass	
B	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2		Pass	
C	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2		Pass	
D	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2		Pass	
E	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2		Pass	
F	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2		Pass	
G	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2		Pass	
H	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2		Pass	

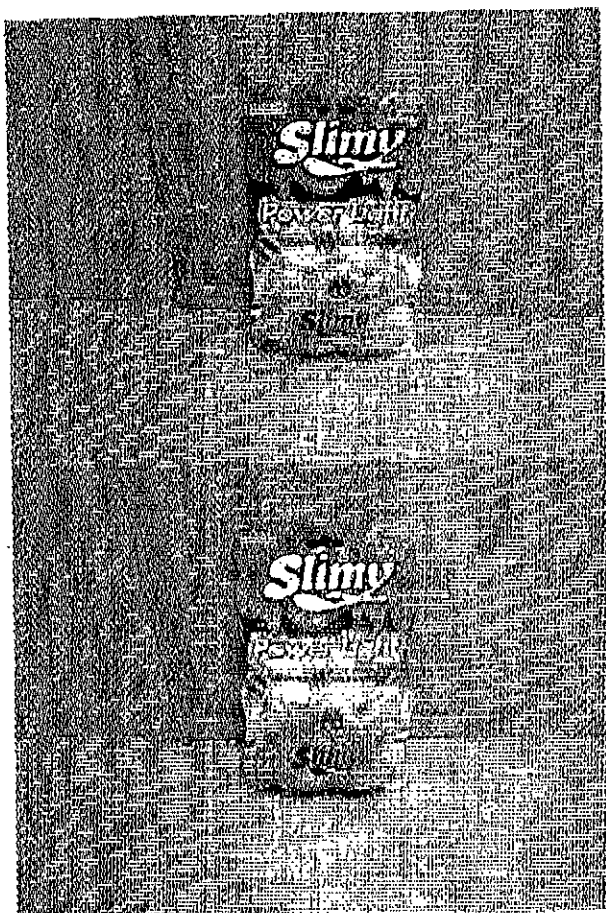
mg/kg = milligrams per kilogram (ppm=parts per million)
 CR = adjusted analytical result
 LT = Less Than
 * = Average of duplicate analysis

As = Arsenic, Ba = Barium, Cd = Cadmium,
 Cr = Chromium, Hg = Mercury, Pb = Lead,
 Sb = Antimony, Se = Selenium



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RESULTS:



END OF REPORT



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RESULTS:

CADMIUM CONTENT (European Council Directive 91/338/EEC, Relating to restrictions on the marketing and use of certain dangerous substances and preparations)

Category:			Plastics			
Element:			Cadmium			
Test Method:			BS EN 1122: 2001, Method B			
Maximum Allowable Limit:			100 mg/kg (0.01% by weight)			
Sample Description			Reading 1	Reading 2	Average	Conclusion
Color / Component	Location	Style	Result (mg/kg)			
(A) Red	Cover	All	LT 10	LT 10	LT 10	Pass
Black	Frame	All				
Transparent	Body	All				
Black printed green plastic	Body	All				

LT - Less than

= Insufficient sample for duplicate analyses

mg/kg = milligrams per kilogram (ppm = parts per million)
 Operator: Lin Yingfang, Martin

Category:			Paints	
Element:			Cadmium	
Test Method:			In house acid digestion	
Maximum Allowable Limit:			100 mg/kg (0.01% by weight)	
Test Component			Result (mg/kg)	Conclusion
Colour/Component	Location	Style		
(A) Blue	Words & pattern	All	LT 10	Pass

LT = Less than

= Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm = parts per million)



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CERTIFICATE OF COMPLIANCE
Certificat de Conformité

CLIENT:	JOKER (FAR EAST) LTD		
TEST REPORT NUMBER: RAPPORT D'ESSAIS N°	(8509)127-0052	DATE OF ISSUANCE: DATE DU CERTIFICAT	MAY 15, 2009
SAMPLE REFERENCE NO: REFERENCE DE L'ECHANTILLON	33405	DATE RECEIVED: DATE DE RECEPTION	MAY 07, 2009
ASSORTMENT NO.: NUMÉRO D'ASSOIRIMENT	N/A	CLIENT REFERENCE NO.: NUMÉRO DE RÉFÉRENCE CLIENT	N/A
SAMPLE DESCRIPTION: DESCRIPTION DE L'ECHANTILLON	POWERLIGHT SLIMY 33405 ORIGINAL SWISS FORMULA (ON PACKAGING: SLIMY POWER LIGHT) 1.) GREEN 2.) YELLOW 3.) PINK		
APPLIED STANDARDS: NORMES APPLIQUEES	EN 71 PT.1-05:A6 MECHANICAL HAZARDS (1-7) EN 71 PT.2 FLAMMABILITY EN 71 PT.3 HEAVY METALS CONTENT		

Based on the test results and conclusions contained in the above mentioned test report, we consider that the tested sample complies with the above listed European standards.

Selon les résultats d'essais et les conclusions contenus dans le rapport d'essais mentionné ci-dessus, nous considérons que l'échantillon soumis aux essais est conforme aux exigences des normes européennes listées ci-dessus.

BUREAU VERITAS HONG KONG LIMITED

Lau Wing Kii, Keff
Director
Toys and Juvenile Products Department

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