




ICQ GLOBAL LIMITED

Test Report

APPLICANT : **TRUDI S.p.A**
Via A. Angeli, 120
33017 Tarcento – Udine

CONTACT PERSON : Ms Carol Hoefken

SAMPLE DESCRIPTION : Six pieces of submitted sample said to be:
TAXI
ITEM NO: 82025



DATE OF SUBMISSION : 2008-05-28

TESTING PERIOD : 2008-05-29 To 2008-06-30

LABELED AGE GRADING : Ages 3 and up

AGE GRADING FOR TESTING : As attested by the producer

TEST REQUESTED	PASS	FAIL	REMARK
EN71-1:2005 and amendments A4:2007 “Safety of toys – Part 1: Mechanical and physical properties”	X		
EN71-2:2006 and amendment AC:2006 “Safety of toys – Part 2: Flammability”	X		
EN71-3:1994 and amendments A1:2000 + AC:2002 “Safety of toys – Part 3: Migration of certain elements”	X		
ASTM F963-07 ^{e1} The physical and mechanical requirements of ASTM F963-07 ^{e1} , “Standard consumer safety specification for toy safety”	X		



Approval Laboratory Signature

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TEST REQUESTED	PASS	FAIL	REMARK
Resistance to Saliva and Perspiration (DIN 53160)	X		
Cadmium on Synthetic fibres (EN1122) according to Directive 91/338/EEC	X		
Definition total Lead and cadmium on paint	X		
Existence of the Arylamines listed in Annex I, No 43 after Reductive Splitting of the Azo Dye Aromatic Amines (Ref. EN14362-1/2 : 2003(E))	X		
Benzene	X		
Label Requirements Checking	X		

EXPLANATION OF THE ABBREVIATIONS FOR EN71 PART 1 AND 2

SYMBOL	EXPLANATION	SYMBOL	EXPLANATION
F	The samples are NOT IN COMPLIANCE with the requirement of this subclause	NE	Not Evaluated
P	The samples are IN COMPLIANCE with the requirement of this subclause	NPR	Not Present
NA	Not Applicable	PR	Present
NR	Not Requested	R	Refer to the Comment Section



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1. MECHANICAL & PHYSICAL PROPERTIES (EN71: Part 1: 2005 and Amendments A4:2007)

RESULTS:

<u>SUBCLAUSE</u>	<u>REQUIREMENT</u>	<u>RESULT</u>
4	<u>GENERAL REQUIREMENTS</u>	<u>P</u>
4.1	Materials	P
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	Edges	P
4.8	Points and wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys	NA
4.12	Balloons & warning on package	NA
4.13	Toy Kites and other flying toys & warning on toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys	NA
4.19	Percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a heat source	NA
4.22	Small balls	NA
5	<u>TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS</u>	<u>NA</u>
6	<u>PACKAGING</u>	<u>NA</u>



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<u>SUBCLAUSE</u>	<u>REQUIREMENT</u>	<u>RESULT</u>
<u>7</u>	<u>WARNING AND INSTRUCTION FOR USE</u>	<u>P</u>
7.1	General.	P
7.2	Toys not intended for children under 36 months	P
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates and skateboards warning on toys or packaging	NA
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibers	NA
7.18	Small Balls	NA
7.19	Toys Scooters	NA

2. FLAMMABILITY PROPERTIES (EN71: Part 2: 2006 and Amendments AC: 2006)

RESULTS:

<u>SUBCLAUSE</u>	<u>REQUIREMENT</u>	<u>RESULT</u>
<u>4</u>	<u>REQUIREMENTS</u>	<u>P</u>
4.1	General	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft-filled toys with a piled or textile surface	NA

ICQ Global Ltd - Unit D, 4/F, Leroy Plaza, 15 Cheung Shun Street, Cheung Sha Wan, Kowloon, Hong Kong

Tel: 852 2144 1899 – Fax: 852 2144 0663 – email: infohk@icqglobal.com

Istituto Italiano Sicurezza dei Giocattoli S.r.l. - Via Europa, 28 - 22060 Cabiato (CO) Italy

tel. +39 031 768400 - fax +39 031 756782 - Part. IVA 02326220130 - e-mail: info@giocattolisicuri.it - sito internet: www.giocattolisicuri.com



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Parts Description:

No.	Raw Material	Position	Color
1	Textile material	Bag	1235 orange cotton (refer to 08-3619-1)
2	Textile material	Bag	1235 orange string (refer to 08-3619-2)
3	Paper and cardboard	Cards/base body /coins	Brown cardboard with green/red/blue/yellow printed (refer to 08-3619-3)
4	Coating material	Accessories	116 dk yellow varnish(refer to 07-1097i)
5	Coating material	Accessories	485 red varnish (refer to 07-1097k)
6	Coating material	Accessories	361 dk green varnish (refer to 07-1097l)
7	Coating material	Accessories	172 dk orange varnish(refer to 08-3540-30)
8	Coating material	Accessories	1505 dk orange varnish (refer to 08-3540-48)
9	Coating material	Accessories	3 cool grey varnish
10	Coating material	Accessories	5 cool grey varnish
11	Other material	Accessories	Light brown wood (refer to 08-3504-66)

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3. EN71-3:1994, amendment A1:2000 +AC:2002 - Part 3: Migration of certain elements

Test equipment: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

RESULTS:

Parts	lead	cadmium	chromium	barium	antimony	arsenic	selenium	Mercury
1	<8	<1	<2	<10	<2	<1	<3	<1
2	<8	<1	<2	<10	<2	<1	<3	<1
3	<8	<1	<2	<10	<2	<1	<3	<1
4	<8	<1	<2	<10	<2	<1	<3	<1
5	<8	<1	<2	<10	<2	<1	<3	<1
6	<8	<1	<2	<10	<2	<1	<3	<1
7	<8	<1	<2	32	<2	<1	<3	<1
8	<8	<1	<2	56	<2	<1	<3	<1
9	<8	<1	<2	13	<2	<1	<3	<1
10	<8	<1	<2	<10	<2	<1	<3	<1
11	<8	<1	<2	<10	<2	<1	<3	<1
Limit	90	75	60	1000	60	25	500	60

Note:

The results expressed are in mg/kg

The symbol < followed by a number indicates that the concentration of the element is less than the detection limit expressed by that number.

The value in mg following a part indicates the part quantity used for the test. It is indicated only if the part present in the sample is less than 100 mg (See EN 71/3 - Par. 10)



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4. US SAFETY REQUIREMENTS (ASTM F963-07^{e1})

RESULTS:

<u>SUBCLAUSE</u>	<u>REQUIREMENT</u>	<u>RESULT</u>
4.1	Material Quality	P
4.2	Flammability	P
4.3	Toxicology	P (refer to section 3)
4.3.7	Stuffing materials – visual	NA
4.4	Electrical/Thermal Energy – 120V	NA
4.5	Sound – Producing Toys	NA
4.6	Small Objects	NR
4.7	Accessible Edges	P
4.8	Projections	NA
4.9	Accessible Points	P
4.10	Wires or rods	NA
4.11	Nails and Fasteners	NA
4.12	Packaging Film	P
4.13	Folding Mechanism and Hinges	NA
4.14	Cords and Elastics	NA
4.15	Stability and Over-Load	NA
4.16	Confined Spaces	NA
4.17	Wheels, Tires, and Axles	NA
4.18	Holes, Clearance, and accessibility of Mechanisms	NA
4.19	Simulated Protective Devices	NA
4.20	Pacifiers	NA
4.21	Projectile Toys	NA
4.22	Teethers and Teething Toys	NA
4.23	Rattles	NA
4.24	Squeeze Toys	NA
4.25	Battery operated toys	NA
4.26	Toys Intended to be Attached to a Crib or Playpen	NA
4.27	Toy Chest	NA

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4.28	Stuffed and Beanbag – Type Toys	NA
4.31	Toy Gun Marking	NA
4.33	Certain Toys with Spherical Ends	NA
4.34	Marbles	NA
4.35	Balls	NA
4.36	Pompoms	NA
4.37	Hemispheric – Shaped Objects	NA
4.38	Yo-Yo Ball	NA
4.39	Magnet	NA
5.3	Safety labeling Requirements	NR
5.4	Aquatic Toys	NA
5.5	Crib and Playpen Toys	NA
5.6	Mobiles	NA
5.7	Stroller and Carriage Toys	NA
5.8	Toys Intended to be Assembled by an Adult	NA
5.9	Simulated Protective Devices	NA
5.10	Toys with Functional Sharp Edges or Point	NA
5.11	Small Objects, Small Balls, Marbles, and Balloons	NR
5.12	Toys Caps	NA
5.13	Art Material	NA
5.15	Battery – Operated Toys	NA
5.16	Promotional Materials	P
5.17	Magnet warning	NA
6.1	Instructional Literature - Definition and Description	P
6.2	Toy Chests	NA
6.3	Crib and Playpen Toys	NA
6.4	Mobiles	NA
6.5	Toy intended to be Assembled by an Adult	NA
6.6	Battery-Operated Toys	NA
6.7	Toys in Contact with Food	NA
7.1	Producer’s Name and Address	P

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7.2	Toy Chests	NA
7.3	Battery-Powered Ride-On Toys	NA

5. Cadmium on synthetic fibre according to Directive 91/338/EEC

Test equipment: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

parts	single measurement 1
1	<20mg/kg
2	<20mg/kg
Limit	100mg/kg

6. Definition of total Content of Lead and Cadmium on paint

Method used: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

parts	lead	cadmium
4	Not Detectable (< 20 mg/kg)	Not Detectable (< 20 mg/kg)
5	Not Detectable (< 20 mg/kg)	Not Detectable (< 20 mg/kg)
6	Not Detectable (< 20 mg/kg)	Not Detectable (< 20 mg/kg)
7	Not Detectable (< 20 mg/kg)	Not Detectable (< 20 mg/kg)
8	Not Detectable (< 20 mg/kg)	Not Detectable (< 20 mg/kg)
9 + 10	Not Detectable (< 20 mg/kg)	Not Detectable (< 20 mg/kg)
Limit	Not Detectable	100mg/kg

Note:
The results expressed are in mg/kg
The symbol < followed by a number indicates that the concentration of the element is less than the detection limit expressed by that number.



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7. Resistance to Saliva and Sweat

Standards / Norms: DIN 53160 (German Test Method, Section 35 LMBG 82.10-1 June 1985)

parts	resistant to saliva	resistant to perspiration
1	Grade 5	Grade 5
2	Grade 5	Grade 5
3	Grade 5	Grade 5
4	Grade 5	Grade 5
5	Grade 5	Grade 5
6	Grade 5	Grade 5
7	Grade 5	Grade 5
8	Grade 5	Grade 5
9	Grade 5	Grade 5
10	Grade 5	Grade 5
Limit	Resistent [Not less 4-5 (grey scale)]	



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8. Determination of Certain Azo-Dye

Standards / Norms: EN 14362 -1/2:2003

Method used: H.P.L.C. with DAD detector – GC with MS detector.

			parts	
N.	Name of Amines	CAS N.	1	2
1	4-Aminodiphenyl	92-67-1	ND	ND
2	Benzidine	92-87-5	ND	ND
3	4-Chloro-o-Toluidine	95-69-2	ND	ND
4	2-Naphthylamine	91-59-8	ND	ND
5	o-Aminoazotoluene	97-56-3	ND	ND
6	2-Amino-4-Nitrotoluene	99-55-8	ND	ND
7	p-Chloroaniline	106-47-8	ND	ND
8	2,4-Diaminoanisole	615-05-4	ND	ND
9	4,4'-Diaminodiphenylmethane	101-77-9	ND	ND
10	3,3'-Dichlorobenzidine	91-94-1	ND	ND
11	3,3'-Dimethoxybenzidine	119-90-4	ND	ND
12	3,3'-Dimethylbenzidine	119-93-7	ND	ND
13	3,3'-Dimethyl-4,4'-Diminodiphenylmethane	838-88-0	ND	ND
14	p-Kresidine	120-71-8	ND	ND
15	4,4'-Methylene-bis-(2-Chloraniline)	101-14-4	ND	ND
16	4,4'-Oxydianiline	101-80-4	ND	ND
17	4,4'-Thiodianiline	139-65-1	ND	ND
18	o-Toluidine	95-53-4	ND	ND
19	2,4'-Toluylenediamine	95-80-7	ND	ND
20	2,4,5-Trimethylaniline	137-17-7	ND	ND
21	o-Anisidine	90-04-0	ND	ND
22	4-Aminoazobenzene	60-09-3	ND	ND
23	2,4 - xyilidine	95-68-1	ND	ND
24	2,6 - xyilidine	87-62-7	ND	ND
Limit			30 ppm	
<small>Note: Method detection limit = 10 ppm ppm denotes part(s) per million ND denotes Non Detected</small>				



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9. Painted/Varnished Materials – Determination of Benzene Residue

Method used: Gaschromatograph with FID and/or Mass Detector

Tested Parts	Result
Paints on wood – Multicolor	
Benzene	Not Detectable (<5 mg/kg)
Printed Table – Multicolor	
Benzene	Not Detectable (<5 mg/kg)
Printed mini card – Multicolor	
Benzene	Not Detectable (<5 mg/kg)



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10. Label Checking

LABELLING REQUIREMENTS	LEGISLATIVE REFERENCE	CRITERIA	RESULTS	REMARKS
Uniform Packaging and Labelling Regulation	UPLR and Directive 88/378/CE	-Manufacturer, packer or distributor name and address (either on the toy and on the packaging) -Product identification -Net contents/quantity -Read and keep them for reference (when the above indicated information are on the packaging)	PASS NA NA PASS	
Country of origin	19 CFR 134	Shall be indicated the country of origin on the toy and on the packaging	PASS	
CE marking	Directive 88/378	For European market the CE marking should be present on the toy or its packaging.	PASS	
Specific safety labelling requirement according to test results	ASTM F963-03 EN 71-1	According to mechanical/physical test results specific warning should be indicated sue to specific hazard of the product related to the age grading	PASS	
Crib and playpen toys, mobile intended to be attached to a crib or playpen	ASTM F963-03	-" WARNING! Possible entanglement injury. Keep out of baby's reach. Remove mobile from crib and playpen when baby begins to push up on habds and knees." -Mobile and its packaging shall be labelled with "from birth to 5 month". -Shall be provided with instruction for proper assembly, installation and use to insure that the product does not present entanglement or	NA	

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		strangulation hazard. Other specific information should be provided according to paragraphs 6.3 and 6.4.		
Mobile to be attached to the ceiling or wall	ASTM F963-03	- <i>"WARNING! Possible entanglement injury. Keep out of baby's reach."</i> -Shall be provided with instruction for proper assembly, installation and use to insure that the product does not present entanglement or strangulation hazard. Other specific information should be provided according to paragraphs 6.3 and 6.4.	NA	
Storrel and Carriage toys	ASTM F963-03	- <i>"WARNING! Possible entanglement injury when attached to crib or playpen. Do not attach to crib or playpen."</i> -Shall be provided with instruction for proper assembly, installation and use to insure that the product does not present entanglement or strangulation hazard. Other specific information should be provided according to paragraphs 6.3 and 6.4.	NA	
Toy intended to be assembled by an adult	ASTM F963-03	On the packaging shall be indicated that the toy is to be assembled by an adult for the presence of hazardous sharp edge and points or small parts.	NA	
Electrical Toy	ASTM F 963-03, 16 CFR 15005	A toy shall be market with: -Rating in volt and ampere (on battery division) -Polarity and shape of batteries in real or proportional dimension -"CAUTION-ELECTRIC TOY" -The date (month and year) of manufacture (in alternative it should be on the instruction)	NA	



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		-On the instruction booklet and the pack: "CAUTION-ELECTRIC TOY/PRODUCT: Not recommended for children underyears of age. As with all electrical products, precaution should be observed during handling and use to prevent a shock."		
Battery operated toy	ASTM F963-03 EN 50088	On the instruction: -Indication about how to remove and change batteries -Use batteries of the same type or equivalent to the one recommended -Do not mix old and new batteries -Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel cadmium) batteries - Insert batteries respecting the polarity - Do not recharge not rechargeable batteries -Removed rechargeable batteries from the toys before recharge them -Rechargeable batteries have to be recharged under the supervision of an adult - Removed unloaded batteries from the toy - Do not circuit power clamp -Toy with non-replaceable batteries that are accessible with the use of a coin, a screwdriver or other common household tool shall bear a statement that battery is not replaceable. If it is not possible to put this information on the product, it shall be placed on the packaging or the instruction.	NA	

*****END OF TEST REPORT*****