CPSC (US) ACCREDITED LABORATORY IDENTIFICATION NUMBER 1038



ICQ (HK) Ltd.

REPORT NO.: 09-5932

DATE: 09 December, 2009

PAGE: 1 of 9

Test Report

APPLICANT : TRUDI S.p.A.

Via A. Angeli, 120

33017 Tarcento (Udine) - Italia

CONTACT PERSON : Ms. Carol Hoefken

SAMPLE DESCRIPTION : SORTING CUBE ANIMALS

ITEM NO.: 82283

SUPPLIER: ZHEJIANG HEXIN TOYS CO. LTD DIMENSIONS: X=180mm; Y=180mm; Z=115mm



DATE OF SUBMISSION : 2009-11-16

TESTING PERIOD : 2009-11-17 To 2009-12-07

LABELED AGE GRADING: 1 year+

AGE GRADING FOR TESTING: 10months+

Rapporto revisionato e approvato da Report revised and approved by

Dott. Ing. Natale Consonni
Direttore Tecnico
Technical Director
Istituto Italiano Sicurezza dei Giocattoli
Circ. Min. 5942/07

Approval Laboratory Signature

Dr. Ing. Alain Curti

Dr. Ing. Alain Curt Director

This Test Report is used by the Company subject to its General Conditions of Service printed overleaf. Attention is drawn to the limitations of liability, indemnification and jurisdictional issue defined therein. The results shown in this test report refer only to the sample(s) tested unless otherwise stated. Sample tested as received. This Test Report cannot be reproduced, except in full, without prior written permission of the Company.

CPSC (US) ACCREDITED LABORATORY IDENTIFICATION NUMBER 1038



ICQ (HK) Ltd.

REPORT NO.: 09-5932

DATE: 09 December, 2009

PAGE: 2 of 9

Test Report

| SUMMARY OF TEST RESULTS | | | | |
|---|------|------|--------|--|
| Test requested | Pass | Fail | Remark | |
| EN 71-1:2005+A8:2009 "Safety of toys – Part 1: Mechanical and physical properties" | X | | | |
| EN 71-2:2006+A1:2007 "Safety of toys – Part 2: Flammability" | X | | | |
| EN71-3:1994/ A1:2000/ AC:2000/ AC:2002 "Safety of toys – Part 3: Migration of certain elements" | X | | | |
| Resistance to Saliva and Perspiration in accordance with DIN 53160 | X | | | |
| Total lead and cadmium content in accordance with European Regulation (EC) No 1907/2006 (REACH) Annex XVII, Point 16, 17 and 23 | X | | | |

EXPLANATION OF THE ABBREVIATIONS FOR EN71 PART 1 AND 2

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

CPSC (US) ACCREDITED LABORATORY IDENTIFICATION NUMBER 1038



ICQ (HK) Ltd.

REPORT NO.: 09-5932

DATE: 09 December, 2009

PAGE: 3 of 9

Test Report

1. MECHANICAL & PHYSICAL PROPERTIES (EN 71-1:2005+A8:2009)

RESULTS:

| SUBCLAUSE | REQUIREMENT | <u>RESULT</u> |
|-----------|--|---------------|
| 4 | GENERAL REQUIREMENTS | P |
| 4.1 | Material | 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 metallic wires | P |
| 4.9 | Protruding parts | P |
| 4.10 | Parts moving against each other | NA |
| 4.11 | Mouth actuated toys | NA |
| 4.12 | Balloons | NA |
| 4.13 | Cords of toy kites and other flying 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 specifically designed for use in toys and toys using percussion caps | NA |
| 4.20 | Acoustics | NA |
| 4.21 | Toys containing a non-electrical heat source | NA |
| 4.22 | Small balls | NA |
| 4.23 | Magnets | NA |

CPSC (US) ACCREDITED LABORATORY IDENTIFICATION NUMBER 1038



ICQ (HK) Ltd.

REPORT NO.: 09-5932

DATE: 09 December, 2009

PAGE: 4 of 9

Test Report

| <u>SUBCLAUSE</u> | REQUIREMENT | <u>RESULT</u> |
|------------------|--|---------------|
| 5 | TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS | P |
| 5.1 | General Requirements | P |
| 5.2 | Filling materials | NA |
| 5.3 | Plastic sheeting | NA |
| 5.4 | Cords on toys | NA |
| 5.5 | Liquid-filled toys | NA |
| 5.6 | Speed limitation of electrically driven toys | NA |
| 5.7 | Glass and porcelain | NA |
| 5.8 | Shape and size of certains toys | NA |
| 5.9 | Toys comprising monofilament fibres | NA |
| 5.10 | Small balls | NA |
| 5.11 | 5.11 Play figures | |
| 5.12 | 2 Hemispheric-shaped toys | |
| 5.13 | Suction cups | NA |
| 6 | PACKAGING | NA |

CPSC (US) ACCREDITED LABORATORY IDENTIFICATION NUMBER 1038



ICQ (HK) Ltd.

REPORT NO.: 09-5932

DATE: 09 December, 2009

PAGE: 5 of 9

Test Report

| <u>SUBCLAUSE</u> | REQUIREMENT | RESULT |
|------------------|--|--------|
| 7 | WARNINGS AND INSTRUCTIONS FOR USE | P |
| 7.1 | General | P |
| 7.2 | Toys not intended for children under 36 months | NA |
| 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, inline skates and toy skateboards | 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 fibres | NA |
| 7.18 | Toy scooters | NA |
| 7.19 | Rocking horses and similar toys | NA |
| 7.20 | Magnetic/electrical experimental sets | NA |

CPSC (US) ACCREDITED LABORATORY IDENTIFICATION NUMBER 1038



ICQ (HK) Ltd.

REPORT NO.: 09-5932

DATE: 09 December, 2009

PAGE: 6 of 9

Test Report

2. FLAMMABILITY PROPERTIES (EN 71-2:2006+A1:2007)

RESULTS:

| SUBCLAUSE | REQUIREMENT | <u>RESULT</u> |
|-----------|---|---------------|
| 4 | REQUIREMENTS | P |
| 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 |

| | IDENTIFICATION PARTS | | | | | |
|--------------------------|----------------------|-------------------------------|---|--|--|--|
| No. Description Position | | Position | Color | | | |
| 1 | Coating material | Lion/ block | 1235C Orange (result transfer from 09-312#13) | | | |
| 2 | Coating material | Lion/ zebra | 1375C Orange (result transfer from ICQG08-3540#34) | | | |
| 3 | Coating material | Lion/ zebra/ block | 1505C Dk. orange (result transfer from ICQG08-3540#46) | | | |
| 4 | Coating material | Lion/ zebra | 172C Dk. orange (result transfer from ICQG08-3540#30) | | | |
| 5 | Coating material | Нірро | 1985C Pink | | | |
| 6 | Coating material | Нірро | 210C Pink | | | |
| 7 | Coating material | Hippo/ block | 213C Dk. pink (result transfer from 09-5931 #5) | | | |
| 8 | Coating material | Base board | 2727C Blue | | | |
| 9 | Coating material | Crocodile | 360C Green | | | |
| 10 | Coating material | Crocodile | 374C Lt. green | | | |
| 11 | Coating material | Crocodile | 375C Green | | | |
| 12 | Coating material | Top board | 382C Lt.green | | | |
| 13 | Coating material | Block | 485C Red (result transfer from 09-312#23) | | | |
| 14 | Coating material | Hippo/ lion/ crocodile/ zebra | Black | | | |
| 15 | Coating material | Zebra | Cool Grey 9C | | | |
| 16 | Coating material | Hippo/ lion/ crocodile/ zebra | White (result transfer from 09-312#10) | | | |
| 17 | Other material | All | Light brown wood (result transfer from 09-761#16) | | | |

CPSC (US) ACCREDITED LABORATORY IDENTIFICATION NUMBER 1038



ICQ (HK) Ltd.

REPORT NO.: 09-5932

DATE: 09 December, 2009

PAGE: 7 of 9

Test Report

RESULTS:

3. Migration of certain elements

Method: European Standard EN71-3:1994/ A1:2000/ AC:2000/ AC:2002

Instrument: ICP-Plasma Spectrometer

Principle: The soluble elements are extracted by hydrochloric acid 0.07N and determined spectrometrically

| Parts | mg | Pb | Cd | Cr | Ba | Sb | As | Se | Hg |
|--------|------|------|------|------|------|------|------|------|------|
| 1 | 27.1 | < 10 | < 10 | < 10 | 214 | < 10 | < 10 | < 10 | < 10 |
| 2 | | < 10 | < 10 | < 10 | 172 | < 10 | < 10 | < 10 | < 10 |
| 3 | | < 10 | < 10 | < 10 | 56 | < 10 | < 10 | < 10 | < 10 |
| 4 | | < 10 | < 10 | < 10 | 32 | < 10 | < 10 | < 10 | < 10 |
| 5 | 38.1 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 6 | 10.6 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 7 | | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 8 | 81.2 | < 10 | < 10 | < 10 | 13 | < 10 | < 10 | < 10 | < 10 |
| 9 | 23.6 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 11 | 14.1 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 12 | | < 10 | < 10 | < 10 | 68 | < 10 | < 10 | < 10 | < 10 |
| 13 | 14.4 | < 10 | < 10 | < 10 | 38 | < 10 | < 10 | < 10 | < 10 |
| 14 | 10.4 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 15 | 16.0 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 16 | | < 10 | < 10 | < 10 | 285 | < 10 | < 10 | < 10 | < 10 |
| 17 | | < 10 | < 10 | < 10 | 23 | < 10 | < 10 | < 10 | < 10 |
| Limits | | 90 | 75 | 60 | 1000 | 60 | 25 | 500 | 60 |

Note:

The results are expressed 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) The elements determined are: Pb - Soluble Lead; Cr - Soluble Chromium; Hg - Soluble Mercury; Sb - Soluble Antimony; Cd - Soluble Cadmium; Ba - Soluble Barium; Se - Soluble Selenium; As - Soluble Arsenic.

The following coatings were insufficient to form testing material of 10mg; hence, they were not tested in accordance with the Standard:

Crocodile: 374C Lt. green





ICQ (HK) Ltd.

REPORT NO.: 09-5932

DATE: 09 December, 2009

PAGE: 8 of 9

Test Report

4. Saliva and Perspiration Resistance

Method: DIN 53160-1 & DIN 53160-2 (German Test Method, Section 35 LMBG 82.10-1 June 1985)

Instrument: Usual Laboratory Equipment

Principle: The sample is put in contact with artificial saliva and perspiration (2 hrs at 40°C), considered the discoloration of

the sample and the possible colour migration is observed.

| Parts | Saliva | 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 | | |
| 11 | Grade 5 | Grade 5 | | |
| 12 | Grade 5 | Grade 5 | | |
| 13 | Grade 5 | Grade 5 | | |
| 14 | Grade 5 | Grade 5 | | |
| 15 | Grade 5 | Grade 5 | | |
| 16 | Grade 5 | Grade 5 | | |
| Limits | Not less of Grade 4-5 Grey scale | Not less of Grade 4-5 Grey scale | | |

CPSC (US) ACCREDITED LABORATORY IDENTIFICATION NUMBER 1038



ICQ (HK) Ltd.

REPORT NO.: 09-5932

DATE: 09 December, 2009

PAGE: 9 of 9

Test Report

5. Total Lead and Cadmium Content

Instrument: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

| Parts | Lead | Cadmium |
|--------|----------------|------------|
| 1 | < 20 mg/kg | < 20 mg/kg |
| 2 | < 20 mg/kg | < 20 mg/kg |
| 3 | < 20 mg/kg | < 20 mg/kg |
| 4 | < 20 mg/kg | < 20 mg/kg |
| 5 | < 20 mg/kg | < 20 mg/kg |
| 6+8 | < 20 mg/kg | < 20 mg/kg |
| 7 | < 20 mg/kg | < 20 mg/kg |
| 9+10 | < 20 mg/kg | < 20 mg/kg |
| 11+12 | < 20 mg/kg | < 20 mg/kg |
| 13 | < 20 mg/kg | < 20 mg/kg |
| 14+15 | < 20 mg/kg | < 20 mg/kg |
| 16 | < 20 mg/kg | < 20 mg/kg |
| Limits | Not Detectable | 100 mg/kg |

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

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