



**TEST REPORT**

NUMBER: SHAH00203189

APPLICANT: TAIZHOU SHIWANXIN TOY CO., LTD.  
NO.12 KANGQIANG ROAD, HUANGYANG WEST  
INDUSTRIAL AREA, HUANGYAN, ZHEJIANG,  
CHINA.  
ATTN: YVONNE

DATE: JUN 28, 2010

**SAMPLE DESCRIPTION:**

FOUR (4) SETS OF SUBMITTED SAMPLE SAID TO BE :

ITEM NAME : **VERY HUNGRY CATERPILLAR 4 IN 1 PUZZLE.**

ITEM NO. : **31280.**

LABELLED AGE GROUP : 3+.

PACKAGING PROVIDED BY : YES.

APPLICANT

SUPPLIER : HANGZHOU EVERBLOOM TRADING CO.,LTD.

BUYER : UNIVERSITY GAMES EUROPE B.V.

GOODS EXPORTED TO : EUROPE.

COUNTRY OF ORIGIN : CHINA.

\*\*\*\*\*

**TESTS CONDUCTED:**

AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGE(S)

\*\*\*\*\*

TO BE CONTINUED

PREPARED AND CHECKED BY:  
FOR INTERTEK TESTING SERVICES  
LTD., SHANGHAI

AUTHORIZED BY:  
FOR INTERTEK TESTING SERVICES  
LTD., SHANGHAI

PETER YU  
SENIOR MANAGER

STEPHEN TSANG  
GENERAL MANAGER



**TEST REPORT**

NUMBER: SHAH00203189

CONCLUSION:

| <u>TESTED SAMPLES</u>                        | <u>STANDARD</u>   | <u>RESULT</u> |
|--|---|---------------|
| SUBMITTED SAMPLE SET                         | EN71 PART 1 : 2005 AND A9 : 2009<br>FOR MECHANICAL AND PHYSICAL<br>PROPERTIES   | PASS          |
|  | EN71 PART 2 : 2006 +<br>A1 : 2007 FLAMMABILITY TEST   | PASS          |
| TESTED COMPONENTS OF<br>SUBMITTED SAMPLE SET | EN71 PART 3 : 1994 AND<br>AMENDMENT A1 : 2000 AND<br>AC : 2002  | PASS          |
|  | CADMIUM CONTENT REQUIREMENT IN<br>ANNEX XVII ITEM 23 OF THE REACH<br>REGULATION (EC) NO. 1907/2006 &<br>AMENDMENT NO.552/2009 (FORMERLY<br>KNOWN AS DIRECTIVE 91/338/EEC)             | PASS          |
|  | PHTHALATES CONTENT REQUIREMENT IN<br>ANNEX XVII ITEMS 51 & 52 OF THE<br>REACH REGULATION (EC) NO.<br>1907/2006 & AMENDMENT<br>NO.552/2009 (FORMERLY KNOWN AS<br>DIRECTIVE 2005/84/EC) | PASS          |
|  | GERMAN CHEMICALS PROHIBITION<br>ORDINANCE APPENDIX 15 ON<br>PENTACHLOROPHENOL   | PASS          |

\*\*\*\*\*

TO BE CONTINUED

PREPARED AND CHECKED BY:  
FOR INTERTEK TESTING SERVICES  
LTD., SHANGHAI

AUTHORIZED BY:  
FOR INTERTEK TESTING SERVICES  
LTD., SHANGHAI

PETER YU  
SENIOR MANAGER

STEPHEN TSANG  
GENERAL MANAGER



**TEST REPORT**

NUMBER: SHAH00203189

TESTS CONDUCTED

1 MECHANICAL AND PHYSICAL TEST

AS PER EUROPEAN STANDARD ON SAFETY OF TOYS EN71-1 : 2005 + A9 : 2009.

APPLICANT'S SPECIFIED AGE GROUP FOR TESTING : FOR AGES 12 MONTHS AND UP

| <u>CLAUSE</u> | <u>TESTING ITEMS</u>                       | <u>ASSESSMENT</u> |
|---------------|--|-------------------|
| 4*            | GENERAL REQUIREMENTS                       | P                 |
| 5*            | TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS | P                 |
| 6             | PACKAGING                                  | NA                |
| 7             | WARNINGS AND INSTRUCTIONS FOR USE          | P                 |

REMARK : P = PASS NA = NOT APPLICABLE

\* = THE FOLLOWING SUBCLAUSES OF CLAUSE 4 AND 5 (NOTE) OF THE STANDARD WERE APPLICABLE : -

- 1) 4.1 MATERIALS - CLEANLINESS VISUAL EXAMINATION.
- 2) 4.7 EDGES.
- 3) 4.8 POINTS AND METALLIC WIRES.
- 4) 5.1 GENERAL REQUIREMENTS.

NOTE : THE SUBMITTED SAMPLES WERE UNDERGONE THE ABUSE TESTS FOR CLAUSE 5.1 IN ACCORDING TO 8.3 (TORQUE TEST), 8.4 (TENSION TEST), 8.5 (DROP TEST), 8.7 (IMPACT TEST), 8.8 (COMPRESSION TEST) AND SPECIFIC TESTS FOR DIFFERENT TYPES OF TOYS WHICHEVER APPLICABLE.

DATE SAMPLE RECEIVED : JUN.21, 2010

TESTING PERIOD : JUN.21, 2010 TO JUN.25, 2010

\*\*\*\*\*

TO BE CONTINUED



**TEST REPORT**

NUMBER: SHAH00203189

TESTS CONDUCTED

2 FLAMMABILITY TEST

AS PER EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 2 : 2006 + A1 : 2007.

| <u>CLAUSE</u> | <u>TESTING ITEMS</u>   | <u>ASSESSMENT</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 A CHILD IN PLAY    | NA                |
| 4.4           | TOYS INTENDED TO BE ENTERED BY A CHILD                                   | NA                |
| 4.5           | SOFT FILLED TOYS (ANIMAL AND DOLLS ETC.) WITH A PILED OR TEXTILE SURFACE | NA                |

REMARK : P = PASS NA = NOT APPLICABLE

DATE SAMPLE RECEIVED : JUN.21, 2010

TESTING PERIOD : JUN.21, 2010 TO JUN.25, 2010

3 TOXIC ELEMENTS ANALYSIS

AS PER EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 3 : 1994 AND AMENDMENT A1 : 2000 AND AC : 2002, ACID EXTRACTION METHOD WAS USED AND TOXIC ELEMENTS CONTENT WERE DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

|                    | <u>RESULT IN mg/kg</u> |      |      |      |      | <u>LIMIT</u> |
|--------------------|------------------------|------|------|------|------|--------------|
|                    | (1)                    | (2)  | (3)  | (4)  | (5)  | <u>mg/kg</u> |
| SOL. BARIUM (Ba)   | <5                     | <5   | <5   | <5   | 5    | 1000         |
| SOL. LEAD (Pb)     | <5                     | <5   | <5   | <5   | <5   | 90           |
| SOL. CADMIUM (Cd)  | <5                     | <5   | <5   | <5   | <5   | 75           |
| SOL. ANTIMONY (Sb) | <5                     | <5   | <5   | <5   | <5   | 60           |
| SOL. SELENIUM (Se) | <5                     | <5   | <5   | <5   | <5   | 500          |
| SOL. CHROMIUM (Cr) | <5                     | <5   | <5   | <5   | <5   | 60           |
| SOL. MERCURY (Hg)  | <5                     | <5   | <5   | <5   | <5   | 60           |
| SOL. ARSENIC (As)  | <2.5                   | <2.5 | <2.5 | <2.5 | <2.5 | 25           |

\*\*\*\*\*

TO BE CONTINUED



**TEST REPORT**

NUMBER: SHAH00203189

TESTS CONDUCTED

SOL. = SOLUBLE  
< = LESS THAN  
mg/kg = MILLIGRAM PER KILOGRAM

TESTED COMPONENTS :

- (1) NATURAL COLOR WOOD. (BOX)
- (2) NATURAL COLOR PLYWOOD. (PUZZLE, LID, BASE OF BOX)
- (3) FOUR-COLOR PRINTED COATING ON PAPER. (PUZZLE)  
(SPL. WT. = 55mg)
- (4) WHITE PAPER WITH GLUE EXCLUDING COATINGS. (PUZZLE)
- (5) BLACK COATING ON WOOD. (SPL. WT. = 25mg)

DATE SAMPLE RECEIVED : JUN.21, 2010  
TESTING PERIOD : JUN.21, 2010 TO JUN.24, 2010

4 CADMIUM (Cd) CONTENT

AS PER CADMIUM CONTENT REQUIREMENT IN ANNEX XVII ITEM 23 OF THE REACH REGULATION (EC) NO. 1907/2006 & AMENDMENT NO. 552/2009 (FORMERLY KNOWN AS DIRECTIVE 91/338/EEC), ACID DIGESTION METHOD WAS USED AND TOTAL CADMIUM CONTENT WAS DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY.

RESULT : ND (<0.0005%)

LIMIT : 0.01%

< = LESS THAN  
ND = NOT DETECTED

TESTED COMPONENT: FOUR-COLOR PRINTED COATING ON PAPER. (PUZZLE)

DATE SAMPLE RECEIVED : JUN.21, 2010  
TESTING PERIOD : JUN.21, 2010 TO JUN.24, 2010

\*\*\*\*\*  
TO BE CONTINUED



**TEST REPORT**

NUMBER: SHAH00203189

TESTS CONDUCTED

5 PHthalate Content Test

WITH REFERENCE TO EN14372, BY GAS CHROMATOGRAPHIC-MASS SPECTROMETRIC (GC-MS) ANALYSIS.

| <u>TESTED COMPOUND</u>         | <u>RESULT (% , W/W)</u> |     | <u>LIMIT (% , W/W)</u> |
|--------------------------------|-------------------------|-----|------------------------|
|                                | (1)                     | (2) | (MAX. )                |
| DIBUTYL PHTHALATE (DBP)        | ND                      | ND  | ---                    |
| DIETHYL HEXYL PHTHALATE (DEHP) | ND                      | ND  | ---                    |
| BENZYL BUTYL PHTHALATE (BBP)   | ND                      | ND  | ---                    |
| SUM OF THREE PHTHALATES        | ND                      | ND  | 0.1                    |
| DI-ISO-NONYL PHTHALATE (DINP)  | ND                      | ND  | ---                    |
| DI-N-OCTYL PHTHALATE (DNOP)    | ND                      | ND  | ---                    |
| DI-ISO-DECYL PHTHALATE (DIDP)  | ND                      | ND  | ---                    |
| SUM OF THREE PHTHALATES        | ND                      | ND  | 0.1                    |

REMARK : THE ABOVE LIMIT WAS QUOTED ACCORDING TO ANNEX XVII ITEMS 51 & 52 OF THE REACH REGULATION (EC) NO. 1907/2006 & AMENDMENT NO.552/2009 (FORMERLY KNOWN AS DIRECTIVE 2005/84/EC) FOR PHTHALATE CONTENT IN TOYS AND CHILDREN CARE ARTICLES.

DETECTION LIMIT = 0.01% (W/W)  
ND = NOT DETECTED

TESTED COMPONENTS :

- (1) NATURAL COLOR PLYWOOD. (PUZZLE, LID, BASE OF BOX)
- (2) WHITE PAPER WITH FOUR-COLOR PRINTED COATING AND GLUE. (PUZZLE)

DATE SAMPLE RECEIVED : JUN.21, 2010

TESTING PERIOD : JUN.21, 2010 TO JUN.24, 2010

\*\*\*\*\*

TO BE CONTINUED



**TEST REPORT**

NUMBER: SHAH00203189

TESTS CONDUCTED

6 PENTA-CHLOROPHENOL (PCP) CONTENT

WITH REFERENCE TO DIN 53313:1996.

| <u>TESTED COMPONENT</u> | <u>RESULT (ppm)</u> |
|-------------------------|---------------------|
| (1)                     | <0.5                |
| (2)                     | <0.5                |
| (3)                     | <0.5                |

LIMIT (MAX) : 5 ppm

REMARK : ppm = PARTS PER MILLION = mg/kg  
< = LESS THAN

TESTED COMPONENTS :

- (1) NATURAL COLOR WOOD. (BOX)
- (2) NATURAL COLOR PLYWOOD. (PUZZLE, LID, BASE OF BOX)
- (3) WHITE PAPER. (PUZZLE)

DATE SAMPLE RECEIVED : JUN.21, 2010

TESTING PERIOD : JUN.21, 2010 TO JUN.24, 2010

\*\*\*\*\*

TO BE CONTINUED

**TEST REPORT**

NUMBER: SHAH00203189

TESTS CONDUCTED



\*\*\*\*\*

END OF REPORT