



**TEST REPORT**

NUMBER: SHAH00203201

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) PIECES OF SUBMITTED SAMPLE SAID TO BE :  
ITEM NAME : **VERY HUNGRY CATERPILLAR KNOBPUZZLE.**  
ITEM NO. : **34301.**  
QUANTITY : 4 PIECES.  
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.

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**TESTS CONDUCTED:**

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

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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



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CONCLUSION:

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

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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

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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

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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

SOL. = SOLUBLE

< = LESS THAN

mg/kg = MILLIGRAM PER KILOGRAM

TESTED COMPONENTS :

- (1) NATURAL COLOR WOOD EXCLUDING COATING. (PEG)
- (2) NATURAL COLOR PLYWOOD. (PUZZLE, BOARD)
- (3) FOUR-COLOR PRINTED COATING ON PAPER. (PUZZLE)  
(SPL. WT. = 48mg)
- (4) WHITE PAPER WITH GLUE EXCLUDING COATINGS. (PUZZLE)
- (5) GREEN COATING ON WOOD. (PEG) (SPL. WT. = 82mg)

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TESTS CONDUCTED

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.

<u>TESTED COMPONENT</u>	<u>RESULT IN %</u>	<u>LIMIT IN %</u>
(1)	ND (<0.0005)	0.01
(2)	ND (<0.0005)	0.01

< = LESS THAN

ND = NOT DETECTED

TESTED COMPONENTS :

- (1) GREEN COATING ON WOOD. (PEG)
- (2) FOUR-COLOR PRINTED COATING ON PAPER. (PUZZLE)

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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)	(3)	(MAX. )
DIBUTYL PHTHALATE (DBP)	ND	ND	ND	---
DIETHYL HEXYL PHTHALATE (DEHP)	ND	ND	ND	---
BENZYL BUTYL PHTHALATE (BBP)	ND	ND	ND	---
SUM OF THREE PHTHALATES	ND	ND	ND	0.1
DI-ISO-NONYL PHTHALATE (DINP)	ND	ND	ND	---
DI-N-OCTYL PHTHALATE (DNOP)	ND	ND	ND	---
DI-ISO-DECYL PHTHALATE (DIDP)	ND	ND	ND	---
SUM OF THREE PHTHALATES	ND	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, BOARD)
- (2) WHITE PAPER WITH FOUR-COLOR PRINTED COATING AND GLUE. (PUZZLE)
- (3) GREEN COATING ON WOOD. (PEG)

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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 PLYWOOD. (PUZZLE, BOARD)
- (2) WHITE PAPER. (PUZZLE)
- (3) NATURAL COLOR WOOD. (PEG)

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END OF REPORT