



Test Report

No.: T51510250236TY

Date: OCT 14, 2015

Page 1 of 7

WAYLEY STAR TOYS (SHENZHEN) CO., LTD
JUNXIN INDUSTRIAL DISTRICT, XINTIAN, GUANLAN,
BAOAN, SHENZHEN, CHINA

The following samples were submitted and identified by/on behalf of the client as:

4D CITYSCAPE PRAGUE

Item No.	:	#40062
Labeled Age Grading	:	AGES 14+
Requested Age Grading	:	OVER 8 YEARS
Sample Receiving Date	:	OCT 09, 2015
Testing Period	:	OCT 09, 2015 TO OCT 14, 2015



SGS-CTI Standards Technical Services Co., Ltd.
Shenzhen Inspection Laboratory

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Test Requested	Conclusion
1. Although this is not a toy, the European standard on Safety of toys was applied as per client's request. There may be additional hazards and labeling requirements that are not covered by this standard:-	--
EN 71-1:2014 – Safety of toys – Part 1: Mechanical and Physical Properties	PASS
EN 71-2:2011+A1:2014 – Safety of toys – Part 2: Flammability	PASS
EN 71-3:2013 + A1:2014 – Safety of toys – Part 3 – Migration of certain elements (All conclusive testing)	PASS

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
 SGS-CSTC Standard Technical Services Co., Ltd.
 Shenzhen Branch-Toy laboratory



Lin Shuzhen, Dora
 Director



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Results:

EUROPEAN STANDARD ON SAFETY OF TOYS

EN 71-1:2014 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN EN 71-1:2014 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	General requirements	
4.1	Material cleanliness	<u>Pass</u>
4.7	Edges	<u>Pass</u>
4.8	Points and metallic wires	<u>Pass</u>
6	Packaging	<u>Pass</u>

EN 71-2:2011+A1:2014 – SAFETY OF TOYS – PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2:2011+A1:2014 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.1	General requirements	<u>Pass</u>

Type of gas: Butane gas used in the test burner



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EN 71-3:2013 + A1:2014 – Safety of toys – Part 3 – Migration of Certain Elements
Category III: Scrapped-off toy material

Method: With reference to EN71-3:2013 + A1:2014. Analysis of general elements was performed by ICP-OES. Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV/VIS and organic tin was analyzed by GC-MS.

Test Item(s)	Result(s)			MDL	Permissible Limit
	1	2	3		
Specimen No.				--	--
Mass of trace amount (mg)	--	--	--	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	237	50	70,000
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18,750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15,000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium (Cr) (mg/kg)	ND	ND	ND	0.15	--
Soluble Chromium [#] (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium [#] (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.12	0.2
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7,700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	10	160
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15,000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56,000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.3	180,000
Soluble Organic Tin [^] (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	46,000



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Test Item(s)	Result(s)			MDL	Permissible Limit
	4	5	6		
Specimen No.				--	--
Mass of trace amount (mg)	--	--	--	--	--
Soluble Aluminium (Al) (mg/kg)	ND	345	ND	50	70,000
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18,750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15,000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium (Cr) (mg/kg)	ND	ND	ND	0.15	--
Soluble Chromium [#] (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium [#] (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.12	0.2
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7,700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	10	160
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15,000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56,000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.3	180,000
Soluble Organic Tin [^] (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	46,000



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Test Item(s)	Result(s)		MDL	Permissible Limit
Specimen No.	7	8	--	--
Mass of trace amount (mg)	--	--	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	50	70,000
Soluble Antimony (Sb) (mg/kg)	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	50	18,750
Soluble Boron (B) (mg/kg)	ND	ND	50	15,000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	5	17
Soluble Chromium (Cr) (mg/kg)	ND	ND	0.15	--
Soluble Chromium [#] (III) (Cr (III)) (mg/kg)	ND	ND	1	460
Soluble Chromium [#] (VI) (Cr (VI)) (mg/kg)	ND	ND	0.12	0.2
Soluble Cobalt (Co) (mg/kg)	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	50	7,700
Soluble Lead (Pb) (mg/kg)	ND	ND	10	160
Soluble Manganese (Mn) (mg/kg)	ND	ND	50	15,000
Soluble Mercury (Hg) (mg/kg)	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	50	56,000
Soluble Tin (Sn) (mg/kg)	ND	ND	3.3	180,000
Soluble Organic Tin [^] (mg/kg)	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	50	46,000

Specimen Description:

1. White paper sheet w/ multi-color coating (Map)
2. White paper sheet w/ black printing (Instruction)
3. Light grey paper card w/ multi-color coating (Puzzle)
4. Black foam (Puzzle)
5. White surfaced grey paper board w/ multi-color coating (Puzzle)
6. Silvery-grey plastic (Building)
7. Translucent white double-side adhesive tape
8. Brown plastic (Building)



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- Note:
- mg/kg = milligram per kilogram
 - mg = milligram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm
 - # Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013 + A1:2014.
 - ^ Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013 + A1:2014.
 - Result(s) of specimen No.1 – No.6 (is)are extracted from report No.T51510250242TY.
 - Result(s) of specimen No.7 – No.8 (is)are extracted from report No.T51510250245TY.

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