



**Test Report**

No.: T51510250234TY

Date: OCT 14, 2015

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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

Sample Quantity	:	4 PCS
Item No.	:	#40062
Labeled Age Grading	:	AGES 14+
Requested Age Grading	:	8+
Age Group Assessed As Per Age	:	OVER 8 YEARS
Guideline	:	
Age Group Applied in Testing	:	OVER 8 YEARS
Sample Receiving Date	:	OCT 09, 2015
Testing Period	:	OCT 09, 2015 TO OCT 14, 2015

Test Requested	Conclusion
For compliance with the test requirement of ASTM F963-11 Standard Consumer Safety Specification on Toy Safety requirement	--
ASTM F963-11 Standard Consumer Safety Specification for Toy Safety	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:**

**ASTM F963-11 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY**

AS SPECIFIED IN ASTM F963-11 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	Safety Requirements	
4.1	Material Quality **	<u>Pass</u>
4.2	Flammability Test	<u>Pass</u> <u>(See Result Page)</u>
4.3	Toxicology	
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	<u>Pass</u> <u>(See Result Page)</u>
4.3.5.2	Heavy Metal in Substrate Materials	<u>Pass</u> <u>(See Result Page)</u>
4.7	Accessible Edges	<u>Pass</u>
4.9	Accessible Points	<u>Pass</u>
4.12	Plastic Film	<u>Pass</u>
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	<u>Pass</u>
5.16	Promotional Materials	<u>Pass</u>
7	Producer's Markings	
7.1	Producer's Markings	<u>Pass</u>
8.5	Normal Use Testing	<u>Pass</u>

\*\*Visual Examination

Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

<u>Sample</u>	<u>Burning Rate (inch/sec)</u>
4D CITYSCAPE PRAGUE	0.1*

\*Burning rate has been rounded to the nearest one tenth of an inch per second.

Requirement: A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.



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**ASTM F963-11, Clause 4.3.5.1 – Heavy Elements in Paint/Similar Surface Coating Materials**

Method: With reference to CPSC-CH-E1003-09.1

Method: With reference to ASTM F963-11 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)	Lead (Pb)		
MDL (ppm)	10		
Total Limit (ppm)	90		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Multi-color coating (Map, puzzle)	1	1	ND

Soluble Heavy Metal Content

Test Item(s)	Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)	5	5	2.5	10	5	5	5	10
Migration Limit (ppm)	90	60	25	1000	75	60	60	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)				
1	2	1	/	ND	ND	ND	ND	ND

Specimen Description:

- Multi-color coating (Map, puzzle)

- Note:
- ppm = parts per million
  - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
  - MDL = Method Detection Limit
  - ND = Not Detected (lower than MDL)
  - Migration results of eight elements shown are of the adjusted analytical results
  - Result(s) (is) are extracted from report No.T51510250240TY.



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**ASTM F963-11, Clause 4.3.5.2 – Heavy Elements in Substrate Materials**

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.1

Method: With reference to ASTM F963-11 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)	Lead (Pb)		
<b>MDL (ppm)</b>	10		
<b>Total Limit (ppm)</b>	100		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Black foam (Puzzle) + Silvery-grey plastic (Building)	1	2	ND
2. Translucent white double-side adhesive tape + Brown plastic (Building)	1	3	ND

Soluble Heavy Metal Content

Test Item(s)	Pb	Sb	As	Ba	Cd	Cr	Hg	Se			
<b>MDL (ppm)</b>	5	5	2.5	10	5	5	5	10			
<b>Migration Limit (ppm) -- Other Than Modeling Clays</b>	90	60	25	1000	75	60	60	500			
<b>Migration Limit (ppm) -- Modeling Clays</b>	90	60	25	250	50	25	25	500			
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	2	2	/	ND	ND	ND	ND	ND	ND	ND	ND
2	2	3	/	ND	ND	ND	ND	ND	ND	ND	ND
3	2	4	/	ND	ND	ND	ND	ND	ND	ND	ND
4	2	5	/	ND	ND	ND	ND	ND	ND	ND	ND



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### Specimen Description:

1. Black foam (Puzzle)
2. Silvery-grey plastic (Building)
3. Translucent white double-side adhesive tape
4. Brown plastic (Building)

- Note:
- ppm = parts per million
  - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
  - MDL = Method Detection Limit
  - ND = Not Detected (lower than MDL)
  - Migration results of eight elements shown are of the adjusted analytical results
  - The result(s) is (are) calculated using the minimum specimen weight for composite test.
  - Total Lead Content:  
Result(s) of specimen No.1 (is) are extracted from report No.T51510250240TY.  
Result(s) of specimen No.2 (is) are extracted from report No.T51510250243TY.
  - Soluble Heavy Metal Content:  
Result(s) of specimen No.1 – No.2 (is) are extracted from report No.T51510250242TY.  
Result(s) of specimen No.3 – No.4 (is) are extracted from report No.T51510250245TY.

N.B. : - Only applicable clauses were shown.



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