



Test Report

Number: SZHH00861556

Applicant: CSP INC
8248 W.ORANGE DR GLENDALE,AZ
85303 USA

Date: Apr 25, 2014

Attn: WENDY

Sample Description:

One (1) pieces of submitted sample said to be :
Item Name : **Wall Walker.**
Item No. : **K16-406.**
Applicant Specified Age : Over 3 years.
Grading for Testing :
Packaging Provided by Applicant : Yes.
Additional Material and Wet Paint Provided : No.
Buyer : Kids' Korner.



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

To be continued

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.




Ben N.L. Lin
General Manager





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Conclusion:

<u>Tested Samples</u>	<u>Standard – U.S. ASTM F963-11</u>	<u>Result</u>
Submitted sample	Physical and mechanical tests	Pass

	Flammability test of materials other than textile materials	Pass
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Tested components of submitted sample	Heavy elements test	Pass
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<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted sample	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for Total Lead content in Non-surface coating materials (substrate)	Pass

	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108 requirement on phthalate	Pass
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Remark:

As requested by the applicant, U.S. ASTM F963-11 soluble heavy elements test was conducted only on components listed in this report. Other components were not tested.

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.




Ben N.L. Lin
General Manager



Tests Conducted

1 Physical and Mechanical Tests

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-11.

The submitted samples were undergone the use and abuse tests in accordance with The Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations :

<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Impact test	Section 1500.53(b)	4 x 3.0 ft
Torque test	Section 1500.53(e)	4 in-lbf
Tension test	Section 1500.53(f)	15 lbf
Compression test	Section 1500.53(g)	30 lbf

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	Material quality (visual check on cleanliness)	P
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (small objects)	NA
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for 36 months to 72 months (small part warning)	NA
4.7	Accessible edges	P
4.8	Projections	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	NA
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords and elastics in toys	NA
4.15	Stability and over-load requirements	NA
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices, such as helmets, hats and goggles	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA





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<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yoyo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
5	Labelling requirement	P
6	Instructional literature	P
7	Producer's markings	No
	- Name of producer/distributor	
	- Address	No

Remark : The submitted samples were undergone the tests in accordance with section 8.5 through section 8.18 and 8.20 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

P = Pass NA = Not Applicable

The producer's/distributor's name/address was found on the packaging. However as specified in section 7.1 of U.S. ASTM F963-11, the final product or its packaging must also be marked with the address/name.

Date sample received: Apr 18, 2014
Testing period: Apr 18, 2014 to Apr 23, 2014

2 Flammability Test

As per section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

<u>Sample</u>	<u>Ignition Point</u>	<u>Burn Length</u> (inch)	<u>Time</u> (sec)	<u>Burn rate</u> (inch/sec)	<u>Limit</u> (inch/sec)
Wall walker	edge	1.3	60	0.02	0.1

The submitted toy sample was tested, the above result only showed the most severe burn rate of the samples.

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3 Heavy Elements Analysis (except modelling clay)

As per Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, acid extraction method was used and heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (ppm)</u>	<u>Limit</u>
	(1)	ppm
Sol. Barium (Ba)	<5	1000
Sol. Lead (Pb)	<5	90
Sol. Cadmium (Cd)	<5	75
Sol. Antimony (Sb)	<5	60
Sol. Selenium (Se)	<5	500
Sol. Chromium (Cr)	<5	60
Sol. Mercury (Hg)	<5	60
Sol. Arsenic (As)	<2.5	25

Sol. = Soluble
ppm = parts per million

Tested Component : See component list in the last section of this report

Date sample received : Apr 18, 2014
Testing period : Apr 18, 2014 to Apr 21, 2014

4 Total Lead (Pb) Content

As per Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, test method CPSC-CH-E1001-08.1, CPSC-CH-E1002-08.1 or/and CPSC-CH-E1003-09.1 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Non-surface coating

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)to(4)	<10	100

ppm = parts per million

Tested Components : See component list in the last section of this report

Assessment : Since no scrapable surface coating was found on the submitted sample, the testing scope for surface coating was not applicable to the submitted sample.

Date sample received : Apr 18, 2014
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5 Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

As per Standard Operating Procedures for Determining total Lead (Pb) in children's products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u> (1)to(4)	<u>Result (ppm)</u> <10	<u>Limit (ppm)</u> 100
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ppm = parts per million

Tested components : See component list in the last section of this report

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Testing period: Apr 18, 2014 to Apr 21, 2014

6 Phthalate Content

As per CPSC-CH-C1001-09.3, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result (%)</u> (4)	<u>Limit (%)</u>
Dibutyl phthalate (DBP)	<0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	0.1

	<u>Result (%)</u> (4)	<u>Limit (%)</u>
Di-iso-nonyl phthalate (DINP)	<0.01	0.1
Di-n-octyl phthalate (DNOP)	<0.01	0.1
Di-iso-decyl phthalate (DIDP)	<0.01	0.1

The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

Tested Component : See component list in the last section of this report.

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Testing period : Apr 18, 2014 to Apr 22, 2014





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Component list :

- (1) Red plastic (figure).
- (2) Green plastic (figure).
- (3) Blue plastic (figure).
- (4) Light red plastic (hands, feet, joint).

End of report

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