

GWSTC Test Report

Date: 2014-01-02

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NO: GP158789

APPLICANT: (Code: CML001)

Carpenters Manufactory Limited
Huang Jin Ji Industrial Zone
Shang Jie Village, Qi Shi Town
Dongguan City, Guangdong Province
China
Attn: Candy

CONCLUSION:

ASTM F 963-11: physical and mechanical test

Apart from section 7.1, the submitted sample complied with the requirement.

ASTM F 963-11: flammability test

The submitted sample complied with the requirement.

ASTM F 963-11: heavy elements test

The submitted sample complied with the requirement.

U.S. CPSC 16 CFR Part 1303 for total lead content

The submitted sample complied with the requirement.

U.S. Consumer Product Safety Improvement Act of 2008 (Public law 110-314) for total lead content

The submitted sample complied with the requirement.

U.S. Consumer Product Safety Improvement Act of 2008 (Public law 110-314) for phthalates content

The submitted sample complied with the requirement.


California proposition 65 for DnHP content


The submitted sample complied with the requirement.

California proposition 65 for total lead content

The submitted sample complied with the requirement.

Approved Signatory:


Feng Jun Guo
Lab Manager


Ellen, Xiao Wan Li
General Manager

Guangzhou Worldwide Standards and Testing Company Limited

110, Dongguanzhuang Road, Tianhe District, Guangzhou, China (Zip Code: 510610)
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DESCRIPTION OF SAMPLE(S):

One (1) style, two (2) pieces of submitted sample (photo attached at Appendix A) said to be:
ICE CREAM PLAYSET
ITEM NO.: RPOC03
COUNTRY OF ORIGIN: CHINA
COUNTRY OF DESTINATION: EUROPEAN, USA
SUPPLIER/MANUFACTURER: CARPENTERS MANUFACTORY LIMITED

INVESTIGATION REQUESTED:

1. ASTM Standard Consumer Safety Specification on Toy Safety F 963-11
 - physical and mechanical test
 - flammability test
 - heavy elements test
2. Total lead content in accordance with U.S. CPSC 16 CFR Part 1303.
3. Total lead content in accordance with U.S. Consumer Product Safety Improvement Act of 2008 (Public law 110-314)
 - Sec.101. children's product containing lead; lead paint rule.
4. Phthalates content in accordance with U.S. Consumer Product Safety Improvement Act of 2008 (Public law 110-314)
 - Sec.108. Prohibition on sale of certain products containing specified phthalates.
5. DnHP content in accordance with California proposition 65.
6. Total lead content in accordance with California proposition 65.

DATE OF SAMPLE(S) RECEIVED:

2013-11-26

DATE TESTED:

ASTM F 963-11

- physical and mechanical test: 2013-11-28
- flammability test: 2013-11-28
- heavy elements test: 2013-11-26 to 2013-12-31

U.S. CPSC 16 CFR Part 1303/U.S. Consumer Product Safety Improvement Act of 2008
(Public law 110-314)/California proposition 65
2013-11-26 to 2013-12-31

AGE GRADING:

The sample did not contain an age grade; however, the applicant requested it to be tested according to the age grade of a36 months and up.

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AGE GRADING FOR TESTING:

36 months and up

TEST RESULTS:

1. ASTM F 963-11

1.1 Mechanical and physical hazards

Ref.: ASTM F 963-11

Applicable requirements before and after use and abuse testing:

Applicable

<u>Section</u>	<u>Description</u>	<u>Result</u>
4	<u>Safety requirements</u>	----
4.1	Material Quality	Pass* ¹
4.6	Small Objects	Pass
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
4.38	Magnets	Pass
5	<u>Safety Labeling Requirements</u>	----
5.2	Age Grading Labeling	* ²
7	<u>Producer's Markings</u>	----
7.1	Name and Address of the Producer/Distributor	* ³

Use and abuse testing:

Applicable

<u>Section</u>	<u>Description</u>
8.5	Normal Use Testing
8.6	Abuse Testing
8.7	Impact Test
8.8	Torque Test for Removal of Components
8.9	Tension Test for Removal of Components
8.10	Compression Test
8.24	Magnetic Test Methods

*¹ = The applicant confirmed the toy was made of new material.

*² = Refer to age grading assessment.

*³ = There were no name and address of producer or distributor required by the standard on the submitted sample.

1.2 Flammability of materials other than textiles

Ref.: ASTM F 963-11 Section 4.2

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<u>Sample</u>	<u>The burn rate</u>	<u>Result</u>
ICE CREAM PLAYSET	Did not ignite	Pass

1.3 Heavy elements analysis

1.3.1 ASTM F 963-11 Section 4.3.5 - total lead analysis

Method used: ASTM F 963-11 Section 8.3.1

Determined by: Inductively Coupled Plasma-Optical Emission Spectrometer

Paint materials (on dried film) (see Remark 1)

- (a) Bright red (A1Y)
- (b) Orange (A2Y)
- (c) Light yellow (A3Y)
- (d) Dark yellow (A4Y)
- (e) Dark green (A5Y)
- (f) Light green (A6Y)
- (g) Light blue (A8Y)
- (h) Dark brown (A10Y)

<u>Sample</u>	<u>Result</u>	<u>Limit</u>
(a)~(h)	<5mg/kg	90mg/kg

Wooden materials (see Remark 2)

- (i) Ice cream playset: flesh wood
- (j) Ice cream playset: light flesh plywood

<u>Sample</u>	<u>Result</u>	<u>Limit</u>
(i)~(j)	<10mg/kg	100mg/kg

1.3.2 ASTM F 963-11 Section 4.3.5 - soluble elements analysis

Method used: ASTM F 963-11 Section 8.3.2

Determined by: Inductively Coupled Plasma-Optical Emission Spectrometer

Coating materials

- (a) Ice cream playset: bright red (A1Y) (see Remark 2)
- (b) Ice cream playset: orange (A2Y) (see Remark 2)
- (c) Ice cream playset: light yellow (A3Y) (see Remark 2)
- (d) Ice cream playset: dark yellow (A4Y) (see Remark 3)
- (e) Ice cream playset: dark green (A5Y) (see Remark 3)
- (f) Ice cream playset: light green (A6Y) (see Remark 2)
- (g) Ice cream playset: light blue (A8Y) (see Remark 3)
- (h) Ice cream playset: dark brown (A10Y) (see Remark 3)

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Wooden materials (see Remark 2)

- (i) Ice cream playset: flesh wood
- (j) Ice cream playset: light flesh playwood

	<u>(a)~(h)</u>	<u>(i)</u>	<u>(j)</u>	<u>Limit</u>
Soluble antimony	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble arsenic	<2mg/kg	<2mg/kg	<2mg/kg	25mg/kg
Soluble barium	<10mg/kg	20mg/kg	<10mg/kg	1000mg/kg
Soluble cadmium	<7mg/kg	<7mg/kg	<7mg/kg	75mg/kg
Soluble chromium	<5mg/kg	<5mg/kg	<5mg/kg	60mg/kg
Soluble lead	<5mg/kg	<5mg/kg	<5mg/kg	90mg/kg
Soluble mercury	<5mg/kg	<5mg/kg	<5mg/kg	60mg/kg
Soluble selenium	<10mg/kg	<10mg/kg	<10mg/kg	500mg/kg

2. U.S. CPSC 16 CFR Part 1303 & U.S. Consumer Product Safety Improvement Act of 2008 (Public law 110-314) & California proposition 65 - total lead analysis in paint and similar surface coating

Method used: CPSC-CH-E1003-09

Determined by: Inductively Coupled Plasma-Optical Emission Spectrometer

Paint materials (on dried film) (see Remark 1)

- (a) Bright red (A1Y)
- (b) Orange (A2Y)
- (c) Light yellow (A3Y)
- (d) Dark yellow (A4Y)
- (e) Dark green (A5Y)
- (f) Light green (A6Y)
- (g) Light blue (A8Y)
- (h) Dark brown (A10Y)

<u>Sample</u>	<u>Result</u>	<u>Limit</u>
(a)~(h)	<0.001%	0.009% (90ppm, 90mg/kg)

3. U.S. Consumer Product Safety Improvement Act of 2008 (Public law 110-314) & California proposition 65 - total lead analysis in non-surface coating materials

Method used: CPSC-CH-E1002-08.1

Determined by: Inductively Coupled Plasma-Optical Emission Spectrometer

Wooden materials (see Remark 2)

- (a) Ice cream playset: flesh wood
- (b) Ice cream playset: light flesh playwood

<u>Sample</u>	<u>Result</u>	<u>Limit</u>
(a)~(b)	<10mg/kg	100mg/kg (0.01%, 100ppm)

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4. U.S. Consumer Product Safety Improvement Act of 2008 (Public law 110-314) & California proposition 65 - phthalates analysis (as per client's request) (see Remark 4)
 Method used: CPSC-CH-C1001-09.3
 Determined by: Gas Chromatograph-Mass Spectrometry

For children's toys that can be placed in children's mouth or child care article

Paint materials (on dried film) (see Remark 1)

- (a) Bright red (A1Y)
- (b) Orange (A2Y)
- (c) Light yellow (A3Y)
- (d) Dark yellow (A4Y)
- (e) Dark green (A5Y)
- (f) Light green (A6Y)
- (g) Light blue (A8Y)
- (h) Dark brown (A10Y)

Wooden materials (see Remark 2)

- (i) Ice cream playset: flesh wood
- (j) Ice cream playset: light flesh plywood

Short form	Full name	(a)~(j)	Limit for CPSIA
(DEHP)	Di (2-ethylhexyl) phthalate	<0.01%	0.1%
(BBP)	Butyl benzyl phthalate	<0.01%	0.1%
(DBP)	Di-butyl phthalate	<0.01%	0.1%
(DINP)	Di-iso-nonyl phthalate	<0.01%	0.1%
(DIDP)	Di-iso-decyl phthalate	<0.01%	0.1%
(DnOP)	Di-n-octyl phthalate	<0.01%	0.1%
Short form	Full name	(a)~(j)	Limit for California proposition 65
(DnHP)	di-n-hexyl phthalate	<0.01%	0.1%

Remark 1:

The test results are transferred from the test report GP158734 which issued on 2013-11-26.

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Remark 2:

The test results are transferred from the test report GP158737 which issued on 2013-11-29.

Remark 3:

The test results are transferred from the test report GP158771 which issued on 2013-12-18.

Remark 4:

The California proposition 65 for DnHP content is not covered by the CNAS accreditation.

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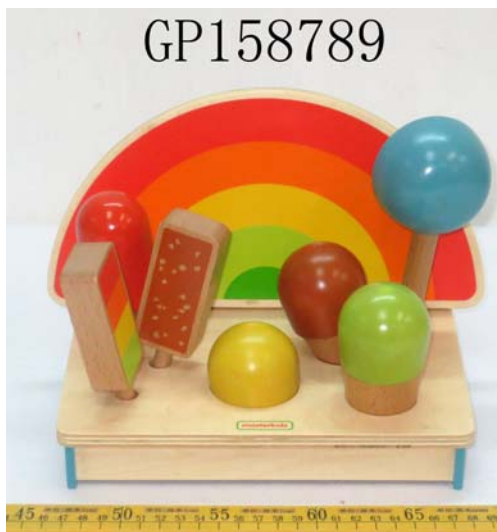
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Appendix A



PHOTOGRAPH(S) OF THE SAMPLE

***** End of Document *****

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