

GWSTC Test Report

Date: 2014-01-10

Page 1 of 7

NO: GP158803

APPLICANT: (Code: CML001)

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

Attn: Candy

DESCRIPTION OF SAMPLE(S):

One (1) style, two (2) pieces of submitted sample (photo attached at Appendix A) said to be:
PLAY KITCHEN
ITEM NO.: RP2A01
COUNTRY OF ORIGIN: CHINA
COUNTRY OF DESTINATION: EUROPE, USA
SUPPLIER/MANUFACTURER: CARPENTERS MANUFACTORY LIMITED

CONCLUSION:

Toys Regulations SOR/2011-17 under Canada Consumer Product Safety Act – Physical and Mechanical Test

Apart from clause 3, the submitted sample complied with the test requirement.

Toys Regulations SOR/2011-17 under Canada Consumer Product Safety Act – Flammability Test

The submitted sample complied with the test requirement.

Toys Regulations SOR/2011-17 under Canada Consumer Product Safety Act – Toxic element content

The submitted sample complied with the test requirement.


Consumer Products Containing Lead (Contact with mouth) Regulations SOR/2010-273 under Canada Consumer Product Safety Act

The submitted sample complied with the test requirement.

Phthalates Regulation SOR/2010-298 under Canada Consumer Product Safety Act: Phthalates content

The submitted sample complied with the test requirement.

Approved Signatory:


Feng Jun Guo
Lab Manager


Ellen, Xiao Wan Li
General Manager

Guangzhou Worldwide Standards and Testing Company Limited

110, Dongguan Zhuang Road, Tianhe District, Guangzhou, China (Zip Code: 510610)

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GWSTC Test Report

Date: 2014-01-10

Page 2 of 7

NO: GP158803

DATE OF SAMPLES RECEIVED:

2013-11-26, 2013-12-09

INVESTIGATIONS REQUESTED:

Toys Regulations SOR/2011-17 under Canada Consumer Product Safety Act

- Physical and mechanical tests
- Flammability tests
- Toxic elements content
- Total lead content
- Phthalates content

DATE TESTED:

2013-11-26 to 2014-01-09

AGE GRADING:

The sample was age graded with the marking of "Small Parts. Not for children under 3 years".
The applicant also requested it to be tested according to the age grade of 36 months and up.

AGE GRADING FOR TESTING:

36 months and up.

TEST RESULTS:

1. Physical and mechanical tests
Ref.: Toys Regulations SOR/2011-17, Canada Consumer Product Safety Act

<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
3	Official languages	*
	<u>Mechanical hazards</u>	----
8	Exposed metal edges	Pass
10	Plastic edges	Pass
11	Wood	Pass
13	Fasteners	Pass
19	Sound-Producing Toys	Pass
21	Cellulose nitrate detection	See 2.1

* = The Toys Regulation Stated that: 'Any written statement or warning required by the these Regulations must appear in both English and French'.
No French / English information was found on the tested sample.

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GWSTC Test Report

Date: 2014-01-10

Page 3 of 7

NO: GP158803

Use and abuse testing:

Applicable

<u>Clause</u>	<u>Description</u>
Schedule 1 M00.1	Small parts cylinder
M00.2	Sharp edges
M00.3	Sharp points
M01.1	Reasonable foreseeable use
	Drop test
	Push/pull test
M04	Test method to determine the noise level of toys

3. Toxic elements analysis

Ref.: Toys Regulations SOR/2011-17, section 23

Method used: Inductively Coupled Plasma-Optical Emission Spectrometer

3.1 Total lead and mercury analysis

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

- (a) Bright red (A1Y)
- (b) Orange (A2Y)
- (c) Dark green (A5Y)
- (d) Light green (A6Y)
- (e) Dark brown (A10Y)
- (f) White (A14Y)
- (g) Black (A19Y)

Plastic materials

- (h) Play kitchen: flesh plastic (see Remark 7)
- (i) Play kitchen: transparent plastic part (see Remark 6)
- (j) Play kitchen: translucent door holder (see Remark 6)
- (k) Play kitchen: light coffee knob/white basin (see Remark 8)

	<u>(a)~(k)</u>	<u>Limit</u>
Total lead.....	<10mg/kg	90mg/kg
Total mercury.....	ND	ND

ND = Not detected (<1mg/kg)

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GWSTC Test Report

Date: 2014-01-10

Page 4 of 7

NO: GP158803

3.2 Soluble toxic elements analysis

Coating materials

- (a) Play kitchen: bright red (A1Y) (see Remark 2)
- (b) Play kitchen: orange (A2Y) (see Remark 2)
- (c) Play kitchen: dark green (A5Y) (see Remark 3)
- (d) Play kitchen: light green (A6Y) (see Remark 2)
- (e) Play kitchen: dark brown (A10Y) (see Remark 3)
- (f) Play kitchen: white (A14Y) (see Remark 3)
- (g) Play kitchen: black (A19Y) (see Remark 7)

Plastic materials

- (h) Play kitchen: flesh plastic (see Remark 7)
- (i) Play kitchen: transparent plastic part (see Remark 6)
- (j) Play kitchen: translucent door holder (see Remark 6)
- (k) Play kitchen: light coffee knob
- (l) Play kitchen: white basin

	<u>(a)~(l)</u>	<u>Limit</u>
Soluble antimony.....	<0.0025%	0.1%
Soluble arsenic.....	<0.0025%	0.1%
Soluble barium.....	<0.0025%	0.1%
Soluble cadmium.....	<0.0025%	0.1%
Soluble selenium.....	<0.0025%	0.1%

4. Total lead content in mouth-contact articles

Ref.: Consumer Products Containing Lead (Contact with mouth) Regulations SOR/2010-273

Method used: Inductively Coupled Plasma-Optical Emission Spectrometer

Wooden materials

- (a) Play kitchen: flesh wood (see Remark 2)
- (b) Play kitchen: light flesh plywood (see Remark 2)
- (c) Play kitchen: deep flesh fibreboard (see Remark 7)

Metallic material (non-small part) (see Remark 7)

- (d) Play kitchen: silver metal screw

	<u>(a)~(d)</u>	<u>Limit</u>
Total lead.....	<10mg/kg	90mg/kg

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GWSTC Test Report

Date: 2014-01-10

Page 5 of 7

NO: GP158803

5. Phthalates content

Ref.: Toys Regulations SOR/2011-17, section 27(3d) and Phthalates Regulation SOR/2010-298
Method used: Gas Chromatography Mass Spectrometer

Plastic materials

- (a) Play kitchen: flesh plastic (see Remark 7)
- (b) Play kitchen: transparent plastic part (see Remark 6)
- (c) Play kitchen: light coffee knob/white basin (see Remark 4)
- (d) Play kitchen: translucent door holder (see Remark 6)

	<u>(a)~(d)</u>	<u>Limit</u>
Di (2-ethylhexyl) phthalate (DEHP)	Not Detected	1000mg/kg
Benzyl-n-butyl phthalate (BBP)	Not Detected	1000mg/kg
Di-n-butyl phthalate (DBP)	Not Detected	1000mg/kg
Diisononyl phthalate (DINP)	Not Detected	1000mg/kg*
Diisodecyl phthalate (DIDP)	Not Detected	1000mg/kg*
Di-n-octyl phthalate (DNOP)	Not Detected	1000mg/kg*

Plastic material

- (e) Play kitchen: white plastic particle (see Remark 6)

	<u>(e)</u>	<u>Limit</u>
Di (2-ethylhexyl) phthalate (DEHP)	Not Detected	1000mg/kg
Benzyl-n-butyl phthalate (BBP)	Not Detected	1000mg/kg
Di-n-butyl phthalate (DBP)	Not Detected	1000mg/kg

* = The content of each phthalate above shall not be greater than 1000mg/kg by mass of the plasticised material which can be placed in the mouth of children under 4 years of age.

Notes: Method detection limit = 100mg/kg

Remark 1:

The test results are transferred from the test report GP158736 which issued on 2013-11-26.

Remark 2:

The test results are transferred from the test report GP158739 which issued on 2013-11-29.

Remark 3:

The test results are transferred from the test report GP158773 which issued on 2013-12-18.

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GWSTC Test Report

Date: 2014-01-10

Page 6 of 7

NO: GP158803

Remark 4:

The test results are transferred from the test report GP158801 which issued on 2014-01- .

Remark 5:

The test results are transferred from the test report GP158819 which issued on 2013-12-24.

Remark 6:

The test results are transferred from the test report GP158831 which issued on 2014-01-09.

Remark 7:

The test results are transferred from the test report GP158859 which issued on 2013-12-24.

Remark 8:

As required by client, the specimens were mixed into one for test. When testing, equal weight of each sample was used. In this circumstance, the lowest individual sample weight was used to calculate the test result.

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GWSTC Test Report

Date: 2014-01-10

Page 7 of 7

NO: GP158803

Appendix A



PHOTOGRAPH(S) OF THE SAMPLE

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

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