



CLIENT:	Carpenters Manufactory Limited	<b>REPORT NO:</b>	(
ADDRESS:	Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi	DATE:	ľ
	Town, DongGuan City, Guang Dong, China		

C80331674 May 16, 2016

Attn:	Kelly Xiong
Sample Description:	Police Station Mini Playset / Fire Station Mini Playset / Hospital Mini Playset / Recycling Plant Mini Playset/ My First Beauty Kit
Quantity Submitted: Supplier: Buyer: Style/Item No.: P.O. No.: Labeled Age Grading: Destination: Country of Origin: Date(s) of samples received:	2 pieces Carpenters Manufactory Limited Not provided MK00903/ MK00910/ MK00927/ MK00941/ MK00996 Not provided Ages 3 years+ Global China April 13, 2016 (.p.m.) & April 15, 2016
TEST METHOD & RESULTS:	Please refer to next page(s)
CONCLUSION:	Please refer to page two(2)

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	Town, DongGuan City, Guang Dong, China		

#### **CONCLUSION:**

USA.
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USA:	
ASTM F963-11 Physical & Mechanical Requirements	PASS
16 CFR 1500Physical & Mechanical Requirements	PASS
ASTM F963-11 Flammability Requirements	PASS
16 CFR 1500.3 (c) (6) (vi) / 16 CFR 1500.44 Flammability Requirements	PASS
ASTM F963-11 Clause 4.3.5.1 (2) Elements Migration in Surface Coating	PASS <sup>#2</sup>
ASTM F963-11 Clause 4.3.5.2 (2) (b) Elements Migration in Substrate	PASS <sup>#4</sup>
ASTM F963-11 Clause 4.3.5.1 (1) Total Lead in Surface Coating	PASS <sup>#3</sup>
16 CFR 1303 Total Lead Content Requirements	PASS <sup>#3</sup>
Consumer Product Safety Improvement Act of 2008 Total Lead Content	PASS <sup>#3</sup>
Requirement [Paint or Surface Coating]	
ASTM F963-11 Clause 4.3.5.2 (2) (a) Total Lead in Substrate	PASS <sup>#4</sup>
Consumer Product Safety Improvement Act of 2008 Total Lead Content	PASS <sup>#4</sup>
Requirement [Substrate Materials]	
ASTM F963-11 Clause 4.3.5.2 (2) (c) Soluble Cadmium in Metallic Small Part	NOT APPLICABLE <sup>#1</sup>
Consumer Product Safety Improvement Act of 2008 Total Phthalate Requirement	$PASS^{#2}$
CANADA:	
Canada Toys Regulations SOR/2011-17 Physical and Mechanical Requirements	PASS
Canada Toys Regulations SOR/2011-17 Flammability Requirements	PASS
(Cellulose Nitrate and Celluloid)	
Flammability Requirements For Textile Fibres: SOR/2011-22	PASS
Canada Toys Regulations SOR/2011-17 Heavy Metal Content Requirements	PASS <sup>#3</sup>
Canada Consumer Products Containing Lead (Contact mouth) Regulation	NOT APPLICABLE <sup>#1</sup>
Canada Phthalates Regulation SOR/2010-298 Phthalates Content Requirements	PASS <sup>#2</sup>
AU:	
AS/NZS ISO 8124.1:2013 Physical & Mechanical Requirements	PASS
AS/NZS ISO 8124.2:2009 Flammability Requirements	PASS
AS/NZS ISO 8124.3:2012 Migration of Certain Elements	PASS <sup>#2,4</sup>
DEHP requirement per Australia Government	NOT APPLICABLE <sup>#1</sup>
EU:	
EN 71-1:2014 Mechanical & Physical Properties	PASS
EN 71-2:2011 + A1:2014 Flammability	PASS
EN 71-3:2013+A1:2014 Migration of Certain Elements	PASS <sup>#2,4</sup>
Total Cadmium Content and European Reach Regulation Annex XVII	PASS <sup>#2</sup>
Total Phthalate Content European Reach Regulation Annex XVII	PASS <sup>#2</sup>
Azo Dyes Test and European Reach Regulation Annex XVII	PASS
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#1: There is no component on the submitted test samples under the testing scopes.

#2: As claimed by client, the sample 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18 listed in the report is identical with the one in report C81021583. The test data of sample 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18 in the report was referred from report C81021583 issued on October 20, 2015.

#3: As claimed by client, the sample 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18 listed in the report is identical with the one in report C81021581. The test data of sample 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18 in the report was referred from report C81021581 issued on October 20, 2015.

#4: As claimed by client, the sample 20 and 21 listed in the report is identical with the one in report C81061528. The test data of sample 20 and 21 in the report was referred from report C81061528 issued on November 4, 2015.

For and on behalf of : UL VS Shanghai Limited Shenzhen Branch

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Benson Ye Technical Manager – Toys Department

**Important Notes**: The results only relate to the samples tested.

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Ms. Carol Ke Laboratory manager-Chemical Department

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#### **TEST RESULTS**

1. USA

#### 1.1 MECHANICAL AND PHYSICAL TEST

## 1.1.1 AS PER ASTM STANDARD CONSUMER SAFETY SPECFICATION FOR TOYS SAFETY F963-11

The following clauses are identified to be applicable:Age grading for testing: Ages 3+Samples Quantity: 5 style(s) x 1 piece(s)

<u>Clause</u>	<u>Test Items</u>	Assessment
4.1	Material(visual check on cleanness)	Р
4.6	Small Objects	Р
4.7	Accessible Edges	Р
4.8	Projections	Р
4.9	Accessible Points	Р
4.10	Wires Or Rods	Р
4.11	Nails And Fasteners	Р
4.17	Wheels, Tires And Axles	Р
5	Safety Labeling Requirements	Р
6	Instructional Literature	Р
7	Producer's Markings	Р

Remark: P = Pass

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#### TEST RESULTS

#### 1.1.2 AS PER 16 CFR 1500.50, THE HAZARDS OF SHARP POINTS, SHARP EDGE AND SMALL PARTS ARE ASSESSED BOTH BEFORE AND AFTER APPLICABLE USE AND ABUSE \ TESTS:

The following clauses are identified to be applicable:Age grading for testing: Ages 3+Samples Quantity: 5 style(s) x 1 piece(s)

	TEST ITEMS	SHARP POINT	SHARP EDGE	
		(1500.48)	(1500.49)	
	As received	Р	Р	
1500.53	Impact Test	Р	Р	
1500.53	Flexure	Р	Р	
1500.53	Torque Test	Р	Р	
1500.53	Tension Test	Р	Р	
1500.53	Compression	Р	Р	
1500.121	Labeling requirement	s; prominence, placeme	ent, and conspicuousness	
1500.19	Misbranded toys and	other articles intended	for use by children	

Remark: P = Pass

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P P





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#### TEST RESULTS

#### **1.2 FLAMMABILITY TEST**

#### 1.2.1 AS ASTM STANDARD ON SAFETY OF TOYS F963-11 ANNEX A5:

Samples Quantity:	5 style(s) x 1 piece(s)
Requirement:	Burning rate should not exceed 0.1 inch per second along the major axis.

Results: The sample was tested to be ignited but extinguished.

## 1.2.2 AS PER U.S. CODE OF FEDERAL REGULATIONS TITLE 16 PART 1500.44 FOR RIGID AND PLIABLE SOLIDS DEFINED UNDER 16 CFR 1500.3 SECTION (C) (6) (VI):

Samples Quantity:5 style(s) x 1 piece(s)Requirement:Burning rate should not exceed 0.1 inch per second along the major axis.

Results: The sample was tested to be ignited but extinguished.

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#### **TEST RESULTS**

#### **1.3 CHEMICAL TESTS:**

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#### 1.3.1 SOLUBLE ELEMENT MIGRATION IN SURFACE COATING

Requirement: As per ASTM F963-11 Clause 4.3.5.1 (2) requirement, materials under test shall not exceed below limit.

## Test method: Reference to ASTM F963-11 Clause 8.3, used acid extraction and analyzed by Inductively Coupled Argon Plasma Spectrometry.

Results:								
Elements	Antimony	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium
Limits	< 60	< 25	< 1000	< 75	< 60	< 90	< 60	< 500
Sample 2	< 6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 3	< 6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 4	< 6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 5	< 6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 6	< 6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 7	< 6.0	<2.5	< 6.0	<6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 8	< 6.0	<2.5	< 6.0	<6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 9	< 6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 10	< 6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 11	< 6.0	<2.5	< 6.0	<6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 12	< 6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 13	< 6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 14	< 6.0	<2.5	< 6.0	<6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 15	< 6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 16	< 6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 17	< 6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 18	< 6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 19*								

#### Remark:

- 1. All concentrations expressed in milligrams per kilogram
- 2. "<" means "less than"

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#### **TEST RESULTS**

#### 1.3.2 SOLUBLE ELEMENT MIGRATION IN SUBSTRATES

- Requirement: As per ASTM F963-11 Clause 4.3.5.2 (2) (b) requirement, materials under test shall not exceed below limit.
- Test method: Reference to ASTM F963-11 Clause 8.3, used acid extraction and analyzed by Inductively Coupled Argon Plasma Spectrometry.

Results:								
Elements	Antimony	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium
Limits	< 60	< 25	< 1000	< 75	< 60	< 90	< 60	< 500
Sample 20	<6.0	<2.5	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	<6.0
Sample 21	<6.0	<2.5	16.5	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 22	<6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 23	<6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 24	<6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 25	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 26	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 27	8.5	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 28	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 29	<6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 30	<6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 31	<6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 32	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 33	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 34	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 35	< 6.0	<2.5	< 6.0	<6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 36	< 6.0	<2.5	<6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 37	26.0	<2.5	<6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 38	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 39	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 40	<6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 41	13.5	<2.5	<6.0	< 6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 42	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 43	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 44	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 45	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	< 6.0	<6.0
Sample 46	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0

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#### **TEST RESULTS**

Results:								
Elements	Antimony	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium
Limits	< 60	< 25	< 1000	< 75	< 60	< 90	< 60	< 500
Sample 47	<6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	< 6.0	<6.0
Sample 48	<6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 49	<6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 50	<6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 51	<6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 52	< 6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 53	<6.0	<2.5	< 6.0	<6.0	< 6.0	< 6.0	< 6.0	< 6.0

#### Remark:

- 1. All concentrations expressed in milligrams per kilogram
- 2. "<" means "less than"
- 3. For samples 25, 27, 28, 29, 30, 33 and 52, the samples weight used were 0.0550, 0.0621, 0.0235, 0.0902, 0.0227, 0.0627 and 0.0348 gram per piece respectively.

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CLIENT:Carpenters Manufactory LimitedREPORT NO:C80331674ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:May 16, 2016Town, DongGuan City, Guang Dong, ChinaDate:Date:Date:

#### TEST RESULTS

#### 1.3.3 TOTAL LEAD CONTENT TEST: COATING

Requirement: As per ASTM F963-11 Clause 4.3.5.1 (1) requirement, lead content in the materials under test shall not exceed of 90ppm.

Test method: CPSC-CH-E1003-09.1 Standard operating procedure for determining Lead (Pb) in paint

Results :

Total Lead	<u>Sample 2</u>	<u>Sample 3</u>	<u>Sample 4</u>	<u>Sample 5</u>	<u>Sample 6</u>
	14.6	<10.0	<10.0	<10.0	<10.0
Total Lead	<u>Sample 7</u>	<u>Sample 8</u>	<u>Sample 9</u>	<u>Sample 10</u>	<u>Sample 11</u>
	<10.0	<10.0	<10.0	<10.0	<10.0
Total Lead	<u>Sample 12</u>	<u>Sample 13</u>	<u>Sample 14</u>	<u>Sample 15</u>	<u>Sample 16</u>
	14.4	<10.0	<10.0	<10.0	17.6
Total Lead	<u>Sample 17</u> <10.0	<u>Sample 18</u> <10.0	<u>Sample 19</u> <10.0		

All concentrations expressed in milligrams per kilogram "<" means "less than"

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#### TEST RESULTS

#### **1.3.4 TOTAL LEAD CONTENT TEST:**

Criteria: The submitted samples must meet the Total Lead Limit of 90ppm as stated in 16 CFR 1303 Test method: CPSC-CH-E1003-09.1 Standard operating procedure for determining Lead (Pb) in paint **Results:** Sample 2 Sample 3 Sample 4 Sample 5 Sample 6 Total Lead 14.6 <10.0 <10.0 <10.0 <10.0 Sample 7 Sample 8 Sample 9 Sample 10 Sample 11 Total Lead <10.0 <10.0 <10.0 <10.0 <10.0 Sample 12 Sample 13 Sample 14 Sample 15 Sample 16 Total Lead 14.4 <10.0 <10.0 <10.0 17.6 Sample 17 Sample 18 Sample 19 Total Lead <10.0 <10.0 <10.0

> All concentrations expressed in milligrams per kilogram "<" means "less than"

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#### TEST RESULTS

#### 1.3.5 TOTAL LEAD CONTENT TEST: COATING

Requirement : The submitted samples must meet the Total Lead Limit of 90ppm as per Consumer Product Safety Improvement Act of 2008

Test method: CPSC-CH-E1003-09.1 Standard operating procedure for determining Lead (Pb) in paint

Results:

Total Lead	<u>Sample 2</u>	<u>Sample 3</u>	<u>Sample 4</u>	<u>Sample 5</u>	<u>Sample 6</u>
	14.6	<10.0	<10.0	<10.0	<10.0
Total Lead	<u>Sample 7</u>	<u>Sample 8</u>	<u>Sample 9</u>	<u>Sample 10</u>	<u>Sample 11</u>
	<10.0	<10.0	<10.0	<10.0	<10.0
Total Lead	<u>Sample 12</u>	<u>Sample 13</u>	<u>Sample 14</u>	<u>Sample 15</u>	<u>Sample 16</u>
	14.4	<10.0	<10.0	<10.0	17.6
Total Lead	<u>Sample 17</u> <10.0	<u>Sample 18</u> <10.0	<u>Sample 19</u> <10.0		

All concentrations expressed in milligrams per kilogram "<" means "less than"

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#### **TEST RESULTS**

#### 1.3.6 TOTAL LEAD CONTENT TEST: SUBSTRATE

Requirement:	As per ASTM F963-11 Clause 4.3.5.2 (2) (a) requirement, lead content in the materials under test shall not exceed of 100ppm.						
Test method:	CPSC-CH-E1001-8.3 Standard operating procedure for determining total Lead (Pb) in metal; CPSC-CH-E1002-8.3 Standard operating procedure for determining total Lead (Pb) in non-metal						
Results:	non metar						
Total Lead	<u>Sample 20</u> <10.0	<u>Sample 22/23/26</u> <10.0	Sample 24/25 <10.0	<u>Sample 36</u> <10.0	<u>Sample 61</u> <10.0		
Total Lead	<u>Sample 62</u> 34.7	<u>Sample 63</u> 44.1	Sample 64/65 <10.0				
All concentrations expressed in milligrams per kilogram							

"<" means "less than"

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#### TEST RESULTS

#### 1.3.7 TOTAL LEAD CONTENT TEST: SUBSTRATE

- Requirement: The submitted samples must meet the Total Lead Limit of 100ppm as per Consumer Product Safety Improvement Act of 2008
- Test method: CPSC-CH-E1001-8.3 Standard operating procedure for determining total Lead (Pb) in metal children's product (including children's metal jewelry); CPSC-CH-E1002-8.3 Standard operating procedure for determining total Lead (Pb) in non-metal children's products.

**Results:** 

Total Lead	<u>Sample 20</u>	Sample 22/23/26	Sample 24/25	<u>Sample 36</u>	<u>Sample 61</u>
	<10.0	<10.0	<10.0	<10.0	<10.0
Total Lead	<u>Sample 62</u> 34.7	<u>Sample 63</u> 44.1	Sample 64/65 <10.0		

All concentrations expressed in milligrams per kilogram "<" means "less than"

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#### **TEST RESULTS**

#### 1.3.8 TOTAL PHTHALATE TEST

Requirement	:	DEHP, DBP or BBP content shall not be more than 0.1% by weight in toys and childcare article. DINP, DIDP or DNOP content shall not be more than 0.1% by weight in toys and childcare article which can be placed in the mouth by children.
Test Method		CPSC-CH-C1001-09.3 Standard operating procedure for determination of

 Test Method
 :
 CPSC-CH-C1001-09.3, Standard operating procedure for determination of phthalates.

Results

:

#### Sample ID

Plasticiser Values (w/w)

	DBP	BBP	DEHP	DNOP	DINP	DIDP
Sample 2	ND	ND	ND	ND	ND	ND
Sample 3	ND	ND	ND	ND	ND	ND
Sample 4	ND	ND	ND	ND	ND	ND
Sample 5	ND	ND	ND	ND	ND	ND
Sample 6	ND	ND	ND	ND	ND	ND
Sample 7	ND	ND	ND	ND	ND	ND
Sample 8	ND	ND	ND	ND	ND	ND
Sample 9	ND	ND	ND	ND	ND	ND
Sample 10	ND	ND	ND	ND	ND	ND
Sample 11	ND	ND	ND	ND	ND	ND
Sample 12	ND	ND	ND	ND	ND	ND
Sample 13	ND	ND	ND	ND	ND	ND
Sample 14	ND	ND	ND	ND	ND	ND
Sample 15	ND	ND	ND	ND	ND	ND
Sample 16	ND	ND	ND	ND	ND	ND
Sample 17	ND	ND	ND	ND	ND	ND
Sample 18	ND	ND	ND	ND	ND	ND
Sample 19	ND	ND	ND	ND	ND	ND
Sample 24/25	ND	ND	ND	ND	ND	ND
Sample 64	0.011%	ND	ND	ND	ND	ND

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#### TEST RESULTS

Remarks:	,	ection Limit for each phthalate = = not detected	0.005%	
Key :	DBI BBF DID	= Benzyl butyl phthalate	DEHP DINP DNOP	<ul><li>= Di (2-Ethylhexyl) phthalate</li><li>= Di-"isonomy" phthalate</li><li>= Di -n-octal phthalate</li></ul>

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#### TEST RESULTS

2. CANADA

#### 2.1 MECHANICAL AND PHYSICAL TEST

#### AS PER CANADA TOYS REGULATIONS, SOR/2011-17

The following clauses are identified to be applicable:Age grading for testing: Ages 3+Samples Quantity: 5 style(s) x 1 piece(s)

<u>Clause</u>	<u>Test Items</u>	Assessment
8	Exposed Metal Edges	Р
9	Ends	Р
10	Exposed Plastic Parts	Р
11	Exposed Wooden Surfaces, Edges And Corners	Р
13	Fasteners	Р

Remark: P = Pass

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CLIENT: **REPORT NO:** Carpenters Manufactory Limited Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi ADDRESS: DATE: Town, DongGuan City, Guang Dong, China

C80331674 May 16, 2016

#### TEST RESULTS

#### FLAMMABILITY TEST 2.2

#### 2.2.1 AS PER CANADA TOYS REGULATIONS SOR/2011-17 SECTION 21 (CELLULOSE NITRATE AND CELLULOID)

- Celluloid (cellulose nitrate) and materials with the same behaviour in fire **Requirement:** (except when used in varnish or paint) shall not be used in the manufacture of toys.
- **Results:** The submitted sample(s) complied with this requirement.

#### 2.2.2 FLAMMABILITY REQUIREMENT FOR TEXTILE FIBRES: SOR/2011-22

Sample: orange fabric	c (cosmetic bag)			
		Rate of Bu	ming(second)	Requirement
	Original		After 1	
			$[\checkmark]$ Dry Clean $[\checkmark]$ Wash	
	Specimen 1)	DNI	1) DNI	
	2)	DNI	2) DNI	
Plain Surface	3)	DNI	3) DNI	Greater than
	4)	DNI	4) DNI	3.5 seconds
	5)	DNI	5) DNI	
	Average			
Code Description:	DNI = Did No	t Ignite		
TEST RESULT:	PASS			

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#### **TEST RESULTS**

#### 2.3 CHEMICAL TESTS:

#### 2.3.1 HEAVY METAL CONTENT TEST :CANADA TOYS REGULATION SOR/2011-17

Requirement : Surface coating applied to Toys shall comply with heavy metal requirement as below table.

**Results:** 

results.							
	Total	Total	Soluble	Soluble	Soluble	Soluble	Soluble
Elements	Lead	Mercury	Antimony	Arsenic	Barium	Cadmium	Selenium
Limits	< 90	None	< 1000	< 1000	< 1000	< 1000	< 1000
Sample 2	14.6	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 3	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 4	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 5	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 6	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 7	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 8	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 9	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 10	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 11	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 12	14.4	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 13	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 14	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 15	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 16	17.6	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 17	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 18	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 19	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
—							

All concentrations expressed in milligrams per kilogram "<" means "less than" "N/D" means "None Detected" \*\*Detection Limit is 10.0 milligrams per kilogram.

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#### TEST RESULTS

## 2.3.3 TOTAL PHTHALATE TEST: CLIENT'S REQUIREMENT WITH REFERENCE TO CANADA PHTHALATES REGULATION SOR/2010-298

Requirement : The vinyl in DEHP, DBP, The vinyl in

The vinyl in a toy or childcare article must contain not more than 1,000 mg/kg of DEHP, DBP, or BBP.
 The vinyl in any part of a toy or childcare article that can, in a reasonably foreseeable manner, be placed in the mouth of a child under four years of age must contain not more than 1,000 mg/kg of DINP, DIDP, or DNOP.

Method	:	C-34
Results	:	

Sample ID

Plasticiser Values (w/w)

	DBP	BBP	DEHP	DNOP	DINP	DIDP
Sample 2	ND	ND	ND	ND	ND	ND
Sample 3	ND	ND	ND	ND	ND	ND
Sample 4	ND	ND	ND	ND	ND	ND
Sample 5	ND	ND	ND	ND	ND	ND
Sample 6	ND	ND	ND	ND	ND	ND
Sample 7	ND	ND	ND	ND	ND	ND
Sample 8	ND	ND	ND	ND	ND	ND
Sample 9	ND	ND	ND	ND	ND	ND
Sample 10	ND	ND	ND	ND	ND	ND
Sample 11	ND	ND	ND	ND	ND	ND
Sample 12	ND	ND	ND	ND	ND	ND
Sample 13	ND	ND	ND	ND	ND	ND
Sample 14	ND	ND	ND	ND	ND	ND
Sample 15	ND	ND	ND	ND	ND	ND
Sample 16	ND	ND	ND	ND	ND	ND
Sample 17	ND	ND	ND	ND	ND	ND
Sample 18	ND	ND	ND	ND	ND	ND
Sample 19	ND	ND	ND	ND	ND	ND
Sample 24/25	ND	ND	ND	ND	ND	ND
Sample 64	0.011%	ND	ND	ND	ND	ND

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DNOP

CLIENT:	Carpenters Manufactory Limited	<b>REPORT NO:</b>	C80331674
ADDRESS:	Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi	DATE:	May 16, 2016
	Town, DongGuan City, Guang Dong, China		

#### TEST RESULTS

DIDP

Rema	rks:	,	ection Limit for each phthalate = = not detected	tion Limit for each phthalate = $0.005\%$ not detected					
Key	:	DBP BBP	= Dibutyl Phthalate = Benzyl butyl Phthalate	DEHP DINP	=				

= Di-"isodecyl" phthalate

= Di (2-Ethylhexyl) Phthalate

- = Di-"isononyl" phthalate
- = Di -n-octyl phthalate

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#### **TEST RESULTS**

3. AUSTRALIA

#### 3.1 MECHANICAL AND PHYSICAL TEST

## AS PER INTERNATIONAL STANDARD ON SAFETY OF TOYS AS/NZS ISO 8124.1:2013 SAFETY ASPECTS RELATED TO MECHANICAL AND PHYSICAL PROPERTIES.

The following clauses are identified to be applicable:Age grading for testing: Ages 3+Samples Quantity: 5 style(s) x 1 piece(s)

<u>Clause</u>	<u>Test Items</u>	Assessment
4.1	Normal use	Р
4.2	Reasonably foreseeable abuse	Р
4.3	Material	Р
4.4	Small parts	Р
4.6	Edges	Р
4.7	Points	Р
4.8	Projections	Р
4.9	Metal wires and rods	Р
ANNEX B	Safety labelling guidelines and manufacturer's markings	Р

Remark: P = Pass

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#### TEST RESULTS

#### 3.2 FLAMMABILITY TEST

## AS PER AUSTRALIAN / NEW ZEALAND STANDARD AS/NZS ISO 8124-2:2009 FLAMMABILITY TEST

The following clauses are identified to be applicable:Age grading for testing: Ages 3+Samples Quantity: 1 piece(s) x 5 style(s)

Clause(s)	<u>Test Items</u>
4.1*	General

Remark: P = Pass

\*: Test result on surface flash flammability test on pile fabric was not included. Please refer to the next test item.

#### Section 4.1 General Requirement (Surface flash)

Key to sample(s)

Sample 1	=	Deep blue felt
Sample 2	=	Yellow felt
Sample 3	=	Red felt
Sample 4	=	White felt

Requirement Pile surface shall not produce surface flash on the approach of a flame.

Results: The submitted sample(s) complied with this requirement.

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SZ-FAF-001 (2013-04-10)

Assessment

Ρ





# CLIENT:Carpenters Manufactory LimitedREPORT NO:C80331674ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:May 16, 2016Town, DongGuan City, Guang Dong, ChinaDate:Date:Date:

#### **TEST RESULTS**

#### **3.3 CHEMICAL TESTS:**

#### 3.3.1 MIGRATION OF CERTAIN ELEMENTS : AZ/NZS ISO 8124.3:2012

Results:								
Elements	Antimony	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium
Limits	< 60	< 25	< 1000	< 75	< 60	< 90	< 60	< 500
Sample 2	<6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	< 6.0	<6.0
Sample 3	<6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	< 6.0	<6.0
Sample 4	<6.0	<2.5	<6.0	<6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 5	<6.0	<2.5	<6.0	<6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 6	<6.0	<2.5	<6.0	<6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 7	<6.0	<2.5	<6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 8	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 9	<6.0	<2.5	<6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 10	<6.0	<2.5	<6.0	<6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 11	<6.0	<2.5	<6.0	<6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 12	<6.0	<2.5	<6.0	<6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 13	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 14	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 15	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	< 6.0	<6.0
Sample 16	<6.0	<2.5	<6.0	< 6.0	< 6.0	<6.0	< 6.0	<6.0
Sample 17	<6.0	<2.5	<6.0	< 6.0	< 6.0	<6.0	< 6.0	<6.0
Sample 18	<6.0	<2.5	<6.0	< 6.0	<6.0	<6.0	< 6.0	<6.0
Sample 19*								
Sample 20	<6.0	<2.5	<6.0	< 6.0	<6.0	<6.0	< 6.0	<6.0
Sample 21	<6.0	16.5	<6.0	< 6.0	<6.0	<6.0	< 6.0	<6.0
Sample 22	<6.0	<2.5	<6.0	< 6.0	<6.0	<6.0	< 6.0	<6.0
Sample 23	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 24	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 25	<6.0	<2.5	<6.0	< 6.0	< 6.0	<6.0	< 6.0	<6.0
Sample 26	<6.0	<2.5	<6.0	< 6.0	<6.0	<6.0	< 6.0	<6.0
Sample 27	8.5	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 28	<6.0	<2.5	<6.0	< 6.0	<6.0	<6.0	< 6.0	<6.0
Sample 29	<6.0	<2.5	<6.0	< 6.0	<6.0	<6.0	< 6.0	<6.0
Sample 30	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	< 6.0	<6.0
Sample 31	<6.0	<2.5	<6.0	< 6.0	<6.0	<6.0	< 6.0	<6.0
Sample 32	<6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0

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# CLIENT:Carpenters Manufactory LimitedREPORT NO:C80331674ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:May 16, 2016Town, DongGuan City, Guang Dong, ChinaDate:Date:Date:

#### TEST RESULTS

Results:								
Elements	Antimony	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium
Limits	< 60	< 25	< 1000	< 75	< 60	< 90	< 60	< 500
Sample 33	<6.0	<2.5	<6.0	<6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 34	<6.0	<2.5	<6.0	<6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 35	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 36	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 37	26.0	<2.5	<6.0	<6.0	< 6.0	< 6.0	<6.0	< 6.0
Sample 38	<6.0	<2.5	<6.0	<6.0	< 6.0	< 6.0	<6.0	< 6.0
Sample 39	<6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	< 6.0	<6.0
Sample 40	<6.0	<2.5	<6.0	<6.0	< 6.0	< 6.0	<6.0	< 6.0
Sample 41	13.5	<2.5	<6.0	<6.0	< 6.0	< 6.0	<6.0	< 6.0
Sample 42	<6.0	<2.5	<6.0	<6.0	< 6.0	< 6.0	<6.0	< 6.0
Sample 43	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 44	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 45	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 46	<6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 47	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 48	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 49	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 50	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 51	<6.0	<2.5	<6.0	<6.0	< 6.0	<6.0	<6.0	<6.0
Sample 52	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Sample 53	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0

#### **Remark:**

1. Method for determination of each soluble element present

a) Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury and Selenium are determined by Inductively Coupled Plasma Optical Emission Spectroscopy.

2. For samples 25, 27, 28, 29, 30, 33 and 52, the samples weight used were 0.0550, 0.0621, 0.0235, 0.0902, 0.0227, 0.0627 and 0.0348 gram per piece respectively.

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#### **TEST RESULTS**

4. EU

#### 4.1 MECHANICAL AND PHYSICAL TEST

#### AS PER EUROPEAN STANDARDS ON SAFETY OF TOYS EN 71-1: 2014

The following clauses are identified to be applicable:Age grading for testing: Ages 3+Samples Quantity: 5 style(s) x 1 piece(s)

<u>Clause</u>	<u>Test Items</u>	Assessment
4.1	Material Cleanliness	Р
4.7	Edges	Р
4.8	Points And Metallic Wires	Р
4.9	Protruding parts	Р
7	Warnings, markings and instructions for use	Р
7.1	General	Р
7.2	Warning on toys not intended for children under 36 months	Р

Remark: P = Pass

Warnings and safety instructions shall be written in the languages easily understood by consumers of the country in which the toy is to be sold. Only English version was reviewed.

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#### TEST RESULTS

#### 4.2 FLAMMABILITY TEST

#### AS PER EUROPEAN STANDARDS ON SAFETY OF TOYS EN71-2:2011+A1:2014

The following clauses are identified to be applicable:Age grading for testing: Ages 3+Samples Quantity: 5 style(s) x 1 piece(s)

<u>Clause(s)</u>	<u>Test Items</u>
4.1*	General-Celluloid requirement

Assessment P

Remark: P = Pass

\*: Test result of surface flash flammability test on pile fabric shall refer to the next test item.

## FLAMMABILITY TEST TO EN 71-2:2011 + A1:2014 CLAUSE 4.1 GENERAL REQUIREMENT (SURFACE FLASH)

Sample ID

Sample 1 = Sample 2 = Sample 3 = Sample 4 =	Deep blue felt Yellow felt Red felt White felt
Requirement:	Material with a pile surface which produce surface flash when a flame is applied to the tested material under the conditions described in Clause 5.5.1 and 5.5.2. Piled surfaces showing no momentary area of flame over the area of the piled surface remote from the test flame are considered to meet this requirement.
Results:	The submitted sample(s) complied with this requirement.

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#### **TEST RESULTS**

#### 4.3 CHEMICAL TESTS:

#### 4.3.1 ELEMENTS MIGRATION WITH REFERENCE TO 2009/48/EC AND ITS AMENDMENT

Test Method: EN71-3: 2013+A1:2014 Migration of certain elements

Results:						
Elements <sup>1</sup>	Limits	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
	(Scraped off material)					
Antimony	560	<5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	47	<2.5	<2.5	<2.5	<2.5	<2.5
Barium	18750	<5.0	<5.0	<5.0	<5.0	< 5.0
Cadmium	17	<5.0	<5.0	<5.0	< 5.0	< 5.0
Chromium III <sup>2</sup>	460	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	${<}0.2^{\scriptscriptstyle\Delta}$	$< 0.2^{\Delta}$	$< 0.2^{\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	$< 0.2^{\Delta}$
Lead	160	< 5.0	<5.0	<5.0	< 5.0	< 5.0
Mercury	94	< 5.0	<5.0	<5.0	<5.0	< 5.0
Selenium	460	< 5.0	<5.0	<5.0	< 5.0	< 5.0
Aluminum	70,000	<50	<50	1300.0	<50	<50
Boron	15,000	<50	<50	<50	<50	<50
Cobalt	130	< 5.0	<5.0	<5.0	<5.0	< 5.0
Copper	7700	<50	<50	<50	<50	<50
Manganese	15,000	< 5.0	<5.0	<5.0	<5.0	< 5.0
Nickel	930	<5.0	<5.0	<5.0	< 5.0	< 5.0
Strontium	56,000	<5.0	<5.0	<5.0	< 5.0	< 5.0
Tin	180,000	<4.0	<4.0	<4.0	<4.0	<4.0
Organic Tin <sup>3</sup>	12					
(Expressed as						
TBT)						
Zinc	46,000	2900.0	1700.0	295.0	2300.0	895.0
	-,					

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#### **TEST RESULTS**

Results:						
Elements <sup>1</sup>	<u>Limits</u>	Sample 7	Sample 8	Sample 9	Sample 10	Sample 11
	(Scraped off material)	-	-	-	-	-
Antimony	560	<5.0	< 5.0	<5.0	<5.0	<5.0
Arsenic	47	<2.5	<2.5	<2.5	<2.5	<2.5
Barium	18750	<5.0	< 5.0	<5.0	< 5.0	<5.0
Cadmium	17	< 5.0	< 5.0	<5.0	< 5.0	<5.0
Chromium III <sup>2</sup>	460	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	$< 0.2^{\Delta}$
Lead	160	< 5.0	< 5.0	<5.0	< 5.0	<5.0
Mercury	94	<5.0	< 5.0	< 5.0	< 5.0	< 5.0
Selenium	460	<5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aluminum	70,000	<50	<50	< 50	<50	<50
Boron	15,000	<50	<50	< 50	<50	<50
Cobalt	130	<5.0	< 5.0	< 5.0	<5.0	<5.0
Copper	7700	<50	<50	<50	<50	<50
Manganese	15,000	<5.0	< 5.0	< 5.0	< 5.0	< 5.0
Nickel	930	<5.0	< 5.0	< 5.0	<5.0	<5.0
Strontium	56,000	<5.0	< 5.0	<5.0	< 5.0	< 5.0
Tin	180,000	<4.0	<4.0	<4.0	<4.0	<4.0
Organic Tin <sup>3</sup>	12					
(Expressed as						
TBT)						
Zinc	46,000	480.0	1800.0	1600.0	1025.0	<50
	<b>y</b>	-	-			

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#### **TEST RESULTS**

Results:						
Elements <sup>1</sup>	<u>Limits</u>	Sample 12	Sample 13	Sample 14	Sample 15	Sample 16
	(Scraped off material)	_	_	_	_	_
Antimony	560	<5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	47	<2.5	<2.5	<2.5	<2.5	<2.5
Barium	18750	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Cadmium	17	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Chromium III <sup>2</sup>	460	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	${<}0.2^{\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\Delta}$
Lead	160	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Mercury	94	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Selenium	460	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Aluminum	70,000	<50	<50	<50	<50	<50
Boron	15,000	<50	<50	<50	<50	<50
Cobalt	130	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Copper	7700	<50	<50	<50	<50	<50
Manganese	15,000	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Nickel	930	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Strontium	56,000	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Tin	180,000	<4.0	<4.0	<4.0	<4.0	<4.0
Organic Tin <sup>3</sup>	12					
(Expressed as						
TBT)						
Zinc	46,000	1500.0	2400.0	2000.0	1145.0	2700.0

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#### **TEST RESULTS**

Results:						
Elements <sup>1</sup>	Limits	Sample 17	Sample 18	Sample 19*	Sample 20	Sample 21
	(Scraped off material)					
Antimony	560	<5.0	< 5.0		<5.0	<5.0
Arsenic	47	<2.5	<2.5		<2.5	<2.5
Barium	18750	< 5.0	< 5.0		< 5.0	16.5
Cadmium	17	< 5.0	< 5.0		< 5.0	< 5.0
Chromium III <sup>2</sup>	460	< 0.2	< 0.2		< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	$< 0.2^{\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$		${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\Delta}$
Lead	160	< 5.0	< 5.0		< 5.0	<5.0
Mercury	94	<5.0	< 5.0		< 5.0	<5.0
Selenium	460	<5.0	< 5.0		< 5.0	<5.0
Aluminum	70,000	<50	<50		<50	<50
Boron	15,000	<50	<50		<50	<50
Cobalt	130	< 5.0	< 5.0		< 5.0	<5.0
Copper	7700	<50	<50		<50	<50
Manganese	15,000	< 5.0	< 5.0		< 5.0	80.5
Nickel	930	< 5.0	<5.0		< 5.0	< 5.0
Strontium	56,000	< 5.0	<5.0		7.0	< 5.0
Tin	180,000	<4.0	<4.0		<4.0	<4.0
Organic Tin <sup>3</sup>	12					
(Expressed as						
(Enpressed as TBT)						
Zinc	46,000	<50	1150.0		<50	<50
			110 510			

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#### **TEST RESULTS**

Results:						
Elements <sup>1</sup>	Limits	Sample 22	Sample 23	Sample 24	Sample 25	Sample 26
	(Scraped off material)					
Antimony	560	<5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	47	<2.5	<2.5	<2.5	<2.5	<2.5
Barium	18750	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Cadmium	17	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Chromium III <sup>2</sup>	460	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	$< 0.2^{\Delta}$	$< 0.2^{\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\Delta}$
Lead	160	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Mercury	94	<5.0	< 5.0	< 5.0	< 5.0	<5.0
Selenium	460	<5.0	< 5.0	< 5.0	< 5.0	<5.0
Aluminum	70,000	<50	<50	<50	<50	<50
Boron	15,000	<50	<50	<50	<50	<50
Cobalt	130	<5.0	<5.0	<5.0	< 5.0	<5.0
Copper	7700	<50	<50	<50	<50	<50
Manganese	15,000	< 5.0	< 5.0	<5.0	<5.0	<5.0
Nickel	930	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Strontium	56,000	< 5.0	< 5.0	<5.0	< 5.0	< 5.0
Tin	180,000	<4.0	<4.0	<4.0	<4.0	<4.0
Organic Tin <sup>3</sup>	12					
(Expressed as						
TBT)						
Zinc	46,000	<50	<50	<50	<50	<50
	.3,000					

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#### **TEST RESULTS**

Results:						
Elements <sup>1</sup>	Limits	Sample 27	Sample 28	Sample 29	Sample 30	Sample 31
	(Scraped off material)					
Antimony	560	8.5	<5.0	<5.0	<5.0	<5.0
Arsenic	47	<2.5	<2.5	<2.5	<2.5	<2.5
Barium	18750	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cadmium	17	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium III <sup>2</sup>	460	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	$< 0.2^{\Delta}$	$< 0.2^{\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\Delta}$
Lead	160	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Mercury	94	<5.0	< 5.0	< 5.0	< 5.0	<5.0
Selenium	460	<5.0	< 5.0	< 5.0	< 5.0	<5.0
Aluminum	70,000	<50	<50	<50	95.0	<50
Boron	15,000	<50	<50	<50	<50	<50
Cobalt	130	< 5.0	<5.0	< 5.0	<5.0	<5.0
Copper	7700	<50	<50	<50	<50	<50
Manganese	15,000	< 5.0	< 5.0	<5.0	<5.0	<5.0
Nickel	930	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Strontium	56,000	< 5.0	< 5.0	<5.0	< 5.0	< 5.0
Tin	180,000	<4.0	<4.0	<4.0	<4.0	<4.0
Organic Tin <sup>3</sup>	12					
(Expressed as						
TBT)						
Zinc	46,000	<50	<50	<50	<50	<50
	.3,000					

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#### **TEST RESULTS**

Results:						
Elements <sup>1</sup>	Limits	Sample 32	Sample 33	Sample 34	Sample 35	Sample 36
	(Scraped off material)					
Antimony	560	<5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	47	<2.5	<2.5	<2.5	<2.5	<2.5
Barium	18750	< 5.0	<5.0	< 5.0	< 5.0	<5.0
Cadmium	17	< 5.0	<5.0	< 5.0	< 5.0	< 5.0
Chromium III <sup>2</sup>	460	< 0.2	< 0.2	1.730	< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	$< 0.2^{\Delta}$	$< 0.2^{\Delta}$	< 0.2	$< 0.2^{\Delta}$	${<}0.2^{\Delta}$
Lead	160	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Mercury	94	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Selenium	460	<5.0	< 5.0	<5.0	<5.0	< 5.0
Aluminum	70,000	<50	<50	<50	<50	<50
Boron	15,000	<50	<50	<50	<50	<50
Cobalt	130	<5.0	< 5.0	<5.0	<5.0	< 5.0
Copper	7700	<50	<50	<50	<50	<50
Manganese	15,000	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Nickel	930	<5.0	<5.0	<5.0	<5.0	< 5.0
Strontium	56,000	< 5.0	< 5.0	6.5	< 5.0	< 5.0
Tin	180,000	<4.0	<4.0	<4.0	<4.0	<4.0
Organic Tin <sup>3</sup>	12					
(Expressed as						
TBT)						
Zinc	46,000	<50	<50	<50	<50	<50
	- ,					

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#### **TEST RESULTS**

Results:						
Elements <sup>1</sup>	Limits	Sample 37	Sample 38	Sample 39	Sample 40	Sample 41
	(Scraped off material)					
Antimony	560	26.0	<5.0	<5.0	<5.0	13.5
Arsenic	47	<2.5	<2.5	<2.5	<2.5	<2.5
Barium	18750	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Cadmium	17	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Chromium III <sup>2</sup>	460	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	$< 0.2^{\Delta}$	$< 0.2^{\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\Delta}$
Lead	160	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Mercury	94	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Selenium	460	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Aluminum	70,000	<50	<50	<50	<50	<50
Boron	15,000	<50	<50	<50	<50	<50
Cobalt	130	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Copper	7700	<50	<50	<50	<50	<50
Manganese	15,000	<5.0	< 5.0	< 5.0	< 5.0	<5.0
Nickel	930	< 5.0	< 5.0	<5.0	< 5.0	<5.0
Strontium	56,000	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Tin	180,000	<4.0	<4.0	<4.0	<4.0	<4.0
Organic Tin <sup>3</sup>	12					
(Expressed as						
TBT)						
Zinc	46,000	<50	<50	<50	<50	<50
			.50			

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#### **TEST RESULTS**

Results:						
Elements <sup>1</sup>	Limits	Sample 42	Sample 43	Sample 44	Sample 45	Sample 46
	(Scraped off material)					
Antimony	560	<5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	47	<2.5	<2.5	<2.5	<2.5	<2.5
Barium	18750	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Cadmium	17	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Chromium III <sup>2</sup>	460	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	$< 0.2^{\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\Delta}$
Lead	160	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Mercury	94	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Selenium	460	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Aluminum	70,000	<50	<50	<50	<50	<50
Boron	15,000	<50	<50	<50	<50	<50
Cobalt	130	<5.0	< 5.0	<5.0	< 5.0	<5.0
Copper	7700	<50	<50	<50	<50	<50
Manganese	15,000	< 5.0	<5.0	<5.0	<5.0	<5.0
Nickel	930	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Strontium	56,000	< 5.0	<5.0	<5.0	< 5.0	9.5
Tin	180,000	<4.0	<4.0	<4.0	<4.0	<4.0
Organic Tin <sup>3</sup>	12					
(Expressed as						
TBT)						
Zinc	46,000	<50	<50	<50	<50	<50
	,					

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### **TEST RESULTS**

Results:						
Elements <sup>1</sup>	Limits	Sample 47	Sample 48	Sample 49	Sample 50	Sample 51
	(Scraped off material)					
Antimony	560	<5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	47	<2.5	<2.5	<2.5	<2.5	<2.5
Barium	18750	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cadmium	17	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Chromium III <sup>2</sup>	460	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	$< 0.2^{\Delta}$	$< 0.2^{\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\Delta}$
Lead	160	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Mercury	94	<5.0	< 5.0	< 5.0	< 5.0	<5.0
Selenium	460	<5.0	< 5.0	< 5.0	< 5.0	<5.0
Aluminum	70,000	<50	<50	<50	<50	<50
Boron	15,000	<50	<50	<50	<50	<50
Cobalt	130	<5.0	<5.0	< 5.0	<5.0	<5.0
Copper	7700	<50	<50	<50	<50	<50
Manganese	15,000	< 5.0	< 5.0	<5.0	<5.0	<5.0
Nickel	930	< 5.0	< 5.0	< 5.0	< 5.0	<5.0
Strontium	56,000	< 5.0	< 5.0	<5.0	< 5.0	< 5.0
Tin	180,000	<4.0	<4.0	<4.0	<4.0	<4.0
Organic Tin <sup>3</sup>	12					
(Expressed as						
TBT)						
Zinc	46,000	<50	<50	<50	<50	<50
	.3,000					

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CLIENT:Carpenters Manufactory LimitedREPORT NO:C80331674ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:May 16, 2016Town, DongGuan City, Guang Dong, ChinaDate:Date:Date:

#### **TEST RESULTS**

Results:						
Elements <sup>1</sup>	<u>Limits</u>	Sample 52	Sample 53	Sample 54	Sample 55	Sample 56*
	(Scraped off material)					
Antimony	560	<5.0	<5.0	<5.0	< 5.0	
Arsenic	47	<2.5	<2.5	<2.5	<2.5	
Barium	18750	< 5.0	< 5.0	< 5.0	< 5.0	
Cadmium	17	< 5.0	< 5.0	< 5.0	< 5.0	
Chromium III <sup>2</sup>	460	0.220	< 0.2	< 0.2	< 0.2	
Chromium VI <sup>2</sup>	0.2	< 0.2	${<}0.2^{\scriptscriptstyle\Delta}$	$< 0.2^{\Delta}$	$< 0.2^{\Delta}$	
Lead	160	<5.0	<5.0	< 5.0	< 5.0	
Mercury	94	< 5.0	<5.0	< 5.0	< 5.0	
Selenium	460	< 5.0	< 5.0	<5.0	< 5.0	
Aluminum	70,000	70.0	<50	<50	<50	
Boron	15,000	<50	<50	<50	<50	
Cobalt	130	< 5.0	< 5.0	<5.0	< 5.0	
Copper	7700	<50	<50	<50	<50	
Manganese	15,000	< 5.0	< 5.0	<5.0	< 5.0	
Nickel	930	< 5.0	< 5.0	< 5.0	< 5.0	
Strontium	56,000	21.5	< 5.0	< 5.0	<5.0	
Tin	180,000	<4.0	<4.0	<4.0	<4.0	
Organic Tin <sup>3</sup>	12					
(Expressed as						
( <u>TBT</u> )						
Zinc	46,000	<50	<50	<50	<50	
	.3,000					

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### **TEST RESULTS**

Results:					
Elements <sup>1</sup>	<u>Limits</u>	Sample 57	Sample 58	Sample 59	Sample 60
	(Scraped off material)				
Antimony	560	<5.0	<5.0	<5.0	<5.0
Arsenic	47	<2.5	<2.5	<2.5	<2.5
Barium	18750	< 5.0	< 5.0	8.5	6.0
Cadmium	17	< 5.0	< 5.0	< 5.0	<5.0
Chromium III <sup>2</sup>	460	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	$< 0.2^{\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\Delta}$
Lead	160	< 5.0	<5.0	<5.0	<5.0
Mercury	94	< 5.0	< 5.0	<5.0	<5.0
Selenium	460	< 5.0	< 5.0	<5.0	<5.0
Aluminum	70,000	<50	<50	<50	<50
Boron	15,000	<50	<50	<50	<50
Cobalt	130	< 5.0	< 5.0	< 5.0	<5.0
Copper	7700	<50	<50	<50	<50
Manganese	15,000	< 5.0	< 5.0	< 5.0	<5.0
Nickel	930	< 5.0	< 5.0	< 5.0	8.5
Strontium	56,000	< 5.0	< 5.0	< 5.0	< 5.0
Tin	180,000	<4.0	<4.0	<4.0	<4.0
Organic Tin <sup>3</sup>	12				
(Expressed as					
TBT)					
Zinc	46,000	<50	<50	<50	<50

All concentrations expressed in milligrams per kilogram "<" means "less than"

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CLIENT: Carpenters Manufactory Limited **REPORT NO:** ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi DATE: Town, DongGuan City, Guang Dong, China

C80331674 May 16, 2016

### **TEST RESULTS**

### **REMARK:**

- 1. Heavy Metals Content are Determined by ICP-MS (Induced Couple Plasma Mass Spectrometry) / ICP-OES (Induced Couple Plasma Optical Emission Spectroscopy)
- 2. If the chromium content of the tested sample does not exceed the limits of chromium III and/or chromium VI, it is deemed to comply on the respective migration requirements of chromium III and/or chromium VI under 2009/48/EC. Otherwise, the compliance on the migration requirements of the individual chromium III and/or chromium VI should be confirmed by further speciation techniques.
  - #: The chromium VI content is determined by LC-ICP-MS
- 3. If the Organic Tin content of the tested sample projected by the tin content does not exceed the limit of organotin, it is deemed to comply on the respective migration requirement of Organic Tin under 2009/48/EC and market with "--". Otherwise, the compliance on the migration requirement of Organic Tin is confirmed by GCMS analysis with derivatisation
- 4.  $\Delta$ : Chromium VI data is based on total Chromium
- For samples 25, 27, 28, 29, 30, 33, 52, 54, 55, 57 and 58, the samples weight used were 0.0550, 5. 0.0621, 0.0235, 0.0902, 0.0227, 0.0627, 0.0348, 0.0478, 0.0141, 0.0204 and 0.0199 gram per piece respectively.

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#### TEST RESULTS

### 4.3.2 TOTAL CADMIUM CONTENT AND EUROPEAN REACH REGULATION ANNEX XVII: MICROWAVE DIGESTION AND DETECTED WITH AAS/ICP

Resu	lts:
rcou	ILD.

Element	Total Cadmium
Limit	< 100
Sample 1	<5.0
Sample 2	<5.0
Sample 3	<5.0
Sample 4	<5.0
Sample 5	<5.0
Sample 6	<5.0
Sample 7	<5.0
Sample 8	<5.0
Sample 9	<5.0
Sample 10	<5.0
Sample 11	<5.0
Sample 12	<5.0
Sample 13	<5.0
Sample 14	<5.0
Sample 15	<5.0
Sample 16	<5.0
Sample 17	<5.0
Sample 18	<5.0
Sample 19	<5.0
Sample 22/23/26	<5.0
Sample 24/25	<5.0
Sample 64/65	<5.0

# All concentrations expressed in milligrams per kilogram "<" means "less than"

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#### **TEST RESULTS**

### 4.3.3 TOTAL PHTHALATE TEST AND EUROPEAN REACH REGULATION ANNEX XVII

Test Method	:	EN 14372: 2004
-------------	---	----------------

 Requirement : DEHP, DBP & BBP content shall not be more than 0.1% by weight in toys and children article. DINP, DIDP & DNOP content shall not be more than 0.1% by weight in toys and children article that can be placed in the mouth by children.
 Results :

Sample ID			Plasticiser V	Values (w/w)		
-	DBP	BBP	DEHP	DNOP	DINP	DIDP
Sample 1	ND	ND	ND			
Sample 2	ND	ND	ND	ND	ND	ND
Sample 3	ND	ND	ND	ND	ND	ND
Sample 4	ND	ND	ND	ND	ND	ND
Sample 5	ND	ND	ND	ND	ND	ND
Sample 6	ND	ND	ND	ND	ND	ND
Sample 7	ND	ND	ND	ND	ND	ND
Sample 8	ND	ND	ND	ND	ND	ND
Sample 9	ND	ND	ND	ND	ND	ND
Sample 10	ND	ND	ND	ND	ND	ND
Sample 11	ND	ND	ND	ND	ND	ND
Sample 12	ND	ND	ND	ND	ND	ND
Sample 13	ND	ND	ND	ND	ND	ND
Sample 14	ND	ND	ND	ND	ND	ND
Sample 15	ND	ND	ND	ND	ND	ND
Sample 16	ND	ND	ND	ND	ND	ND
Sample 17	ND	ND	ND	ND	ND	ND
Sample 18	ND	ND	ND	ND	ND	ND
Sample 19	ND	ND	ND	ND	ND	ND
Sample 22/23/26	ND	ND	ND	ND	ND	ND
Sample 24/25	ND	ND	ND	ND	ND	ND
Sample 64	0.011%	ND	ND			
Sample 65	ND	ND	ND			

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### TEST RESULTS

Remarks:	1) Detection Limit for each phthalate = $0.005\%$
	2) ND = not detected $\Box$

Key	:	DBP	= Di-butyl phthalate	DNOP	= Di-n-octyl phthalate
		BBP	= Butyl-benzyl phthalate	DINP	= Di-iso-nonyl phthalate
		DEHP	= Di-(2-ethyl-hexyl) phthalate	DIDP	= Di-iso-decyl phthalate

### 4.3.4 AZO DYES TEST AND EUROPEAN REACH REGULATION ANNEX XVII

#### **TEST(S) CONDUCTED :**

TEST METHOD ACCORDING TO THE OFFICIAL TEST PROCEDURES EN 14362-1:2012 FOR TEXTILE, EN ISO 17234-1:2010 FOR LEATHER MATERIALS. THE PRESENCE OF 4-AMINOAZOBENZENE IS DETERMINED BY EN 14362-3:2012 FOR TEXTILE, EN ISO 17234-2:2011 FOR LEATHER MATERIALS. REMOVAL OF FAT BY N-HEXANE (IN CASE OF LEATHER), TREATMENT WITH CITRIC BUFFER, REDUCTIVE CLEAVAGE WITH SODIUM DITHIONITE, EXTRACTION WITH ETHER, DETECTION BY GC/MS AND/OR HPLC/DAD. (DETECTION LIMIT: 5mg/kg)

### LIST OF AROMATIC AMINES

(DETECTION LIMIT : 5mg/kg)

- 01 BENZIDINE
- 02 4-AMINODIPHENYL
- 03 4-CHLORO-O-TOLUIDINE
- 04 2-NAPHTHYLAMINE
- 05 O-AMINOAZOTOLUENE
- 06 2-AMINO-4-NITROTOLUENE
- 07 P-CHLOROANILINE
- 08 2,4'-DIAMINOANISOLE
- 09 4,4'-DIAMINODIPHENYLMETHANE
- 10 3,3'-DICHLOROBENZIDINE
- 11 3,3'-DIMETHOXYBENZIDINE
- 12 3,3'-DIMETHYLBENZIDINE

- 13 3,3'-DIMETHYL-4,4'-DIAMINODIPHENYLMETHANE
- 14 P-CRESIDINE
- 15 4,4'-METHYLENE-BIS-(2-CHLOROANILINE)
- 16 4,4'-OXYDIANILINE
- 17 4,4'-THIODIANILINE
- 18 O-TOLUIDINE
- 19 2,4,5-TRIMETHYLANILINE
- 20 2,4-TOLUYLENEDIAMINE
- 21 O-ANISIDINE
- 22 4-AMINOAZOBENZENE

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### TEST RESULTS

SAMPLE ID	<u>)</u>	TEST METHOD	<u>)</u>	AMINE DETECTE	D RESULT
Sample 27/2	8/29	EN 14362-1:201	2	NOT DETECTED	PASS
Sample 27		EN 14362-3:201	2	NOT DETECTED	PASS
Sample 28		EN 14362-3:201	2	NOT DETECTED	PASS
Sample 29		EN 14362-3:201	2	NOT DETECTED	PASS
Sample 30/3	1/32	EN 14362-1:201	2	NOT DETECTED	PASS
Sample 34/3	5/36	EN 14362-1:201	2	NOT DETECTED	PASS
Sample 37/3	8/39	EN 14362-1:201	2	NOT DETECTED	PASS
Sample 44/4	5/46	EN 14362-1:201	2	NOT DETECTED	PASS
Sample 47/4	8/49	EN 14362-1:201	2	NOT DETECTED	PASS
NOTE :	PASS	_	I FSS TH	AN OR EQUAL TO	30 mg/kg
HUIL.		—		-	JU IIIg/ Kg
	FAIL	=	MORETI	HAN 30 mg/kg	

NOTE :	PASS	=	LESS THAN OR EQUAL TO 30 mg/kg
	FAIL	=	MORE THAN 30 mg/kg
	LIMIT	=	30 mg/kg (NOT APPLICABLE FOR COMBINE TEST)

### **INTERPRETATION OF TEST RESULTS:**

- 1. IN THE CASE OF LEVELS PER AMINE COMPONENT<= 25 mg/kg: NOT DETECTED. ACCORDING TO THE ANALYSIS AS CARRIED OUT, AZO COLOURANTS BANNED UNDER THE ORDINANCE ON COMMODITIES WERE NOT DETECTED IN THE ARTICLES SUBMITTED.
- 2. IN THE CASE OF LEVELS PER AMINE COMPONENT > 30 mg/kg. THE ANALYSIS RESULT SUGGESTS THAT THE ARTICLE SUBMITTED HAS BEEN MANUFACTURED OR TREATED BY USING AZO COLOURANTS BANNED UNDER THE ORDINANCE ON COMMODITIES.
- 3. IN CASE OF A RESULT BETWEEN 25 AND 30 mg/kg. WE REMARK THAT DUE TO CUSTOMER SPECIFICATION, THESE MEASUREMENT VALUES REPRESENT A BORDER LINE CASE.

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### **TEST RESULTS**

Key to sample(s):

	Sample 1	=	Transparent double-side adhesive tape with white/silvery coatings (back of mirror) (inaccessible)
	Sample 2	=	Bright red coating on plywood/wood/fabric (A1Y) (police station, police car, fire station, fire engine, operation desk & fires & extinguisher & cones & bed of fire station, hospital, ambulance, bedside table & tall instrument & counter of hospital, pattern on clothes of doctor, recycling station, recycling truck, small blocks of recycling station, red lip balm & red bottle & eyeshadow plate & brush & comb & mirror & hair dryer of cosmetic bag)
	Sample 3	=	Dark green coating on plywood/wood (A5Y) (police station, police car, fire station, fire engine, hospital, ambulance, recycling station, recycling truck, small blocks & operation desk of recycling station)
	Sample 4	=	White coating on plywood/wood (A16Y) (police station, police car, eyes of person of police station, fire station, fire engine, canister of fire station, hospital, ambulance, short instrument & both beds of hospital, recycling truck)
	Sample 5	=	Black coating on plywood/wood (A19Y) (police station, shoes of police & fireman & doctor & patient)
	Sample 6	=	Navy blue coating on plywood/wood (A20Y) (police station, police car, counter & table & operation desk of police station, eyes of police)
	Sample 7	=	Beige coating on wood (A14Y) (pattern of police car & fire engine & ambulance & recycling truck)
	Sample 8	=	Purple coating on wood (A11Y) (mouth of police & person of police station & firewoman & doctor & patient & sanitation worker)
	Sample 9	=	Light brown coating on wood (A9Y) (eyes & nose & shoes of person of police station, fire station, shoes of sanitation worker)
	Sample 10	=	Pink coating on wood/plywood (A13Y) (blush of person of police station, pink lip balm & hair dryer & cellphone of cosmetic bag)
	Sample 11	=	Clear Lacquer coating on plywood/wood (A21Y) (police station, fire station, hospital, recycling station, face of police & person of police station & firewoman & doctor & patient & sanitation worker, both bottles & eyeshadow plate & brush & comb & mirror & hair dryer & cellphone of cosmetic bag)
	Sample 12	=	Light yellow coating on wood/plywood (A3Y) (fires of fire station, eyeshadow plate & comb of cosmetic bag)
	Sample 13	=	Light blue coating on wood/plywood (A8Y) (eyes of firewoman, recycling station, small blocks of recycling station, eyes of sanitation worker, eyeshadow plate of cosmetic bag)
	Sample 14	=	Dark blue coating on wood (A7Y) (ambulance, short instrument of hospital, eyes of doctor & patient)
*****	******	***	********************* Page 45 of 49 ***********************************

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### **TEST RESULTS**

Sample 15	=	Orange coating on plywood/wood (A2Y) (recycling station, small blocks of recycling station, eyeshadow & comb & hair dryer of cosmetic bag)
Sample 16	=	Light green coating on plywood (A6Y) (recycling station, recycling truck,
Sample 17	=	eyeshadow plate of cosmetic bag) Light pink coating on wood/plywood (A18Y) (pink lip balm & pink bottle & eyeshadow plate & hair dryer & cellphone of cosmetic bag)
Sample 18	=	Dark brown coating on plywood (A10Y) (brush of cosmetic bag)
Sample 19*	=	Black/white coatings on fabric (sewn-in label of cosmetic bag)
Sample 20	=	Beige plywood excluding coatings (police station, police car, fire station, fire engine,
Sumple 20		hospital, ambulance, recycling station, recycling truck, beds of fire station &
		hospital, eyeshadow plate & brush & comb of cosmetic bag)
Sample 21	=	Brown wood excluding coatings (police station, police car, fire station, fire engine,
-		ambulance, recycling truck, recycling truck, counter & table & operation desk &
		chair of police station, head & body & limbs of police & person of police station &
		firewoman & doctor & patient & sanitation worker, operation desk & fires &
		extinguisher & cones & bed & chair of fire station, bedside table & both instruments
		& counter & both beds & chair of hospital, small blocks & operation desk & chair of
		recycling station, both bottles & both lip balms & mirror & hair dryer & cellphone of
G		cosmetic bag)
Sample 22	=	Transparent plastic (window of police station & hospital, mirror of cosmetic bag)
Sample 23	=	Beige plastic (wheels of police car & fire engine & ambulance & recycling truck)
Sample 24	=	Black soft plastic (tires of police car & fire engine & ambulance & recycling truck) Transparent dry glue (joint of police station & police car & fire station & fire engine
Sample 25	=	& hospital & ambulance & recycling station & recycling truck, joint of table of
		police station & both beds of hospital, joint of police & person of police station &
		firewoman & doctor & patient & sanitation worker, joint of both bottles & both lip
		balms of cosmetic bag)
Sample 26	=	Transparent plastic (zipper teeth of cosmetic bag)
Sample 27	=	Deep blue felt (hat & tie of police)
Sample 28	=	Yellow felt (star on hat & clothes of police, hat of sanitation worker)
Sample 29	=	Deep brown yarn (hair of police & firewoman & doctor)
Sample 30	=	Pale blue fabric (collar & pocket of clothes of police)
Sample 31	=	Light blue fabric (clothes of police)
Sample 32	=	Dark blue fabric (trousers of police & firewoman & sanitation worker)
Sample 33	=	White ribbon (trousers of police)
Sample 34	=	Light beige cord (limbs of police & person of police station & firewoman & doctor
		& patient & sanitation worker)

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CLIENT:Carpenters Manufactory LimitedREPORT NO:C80331674ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:May 16, 2016Town, DongGuan City, Guang Dong, ChinaDATE:May 16, 2016

TEST RESULTS

Sample 35	=	Brown yarn (hair of person of police station)
Sample 36	=	White fabric with black printing (clothes & trousers of person of police station)
Sample 37	=	Red felt (hat of firewoman)
Sample 38	=	Black fabric (clothes of firewoman)
Sample 39	=	Yellow ribbon (clothes of firewoman & sanitation worker)
Sample 40	=	White cord (tie of extinguisher of fire station)
Sample 41	=	White felt (collar of clothes of doctor)
Sample 42	=	Bright white fabric (clothe of doctor)
Sample 43	=	Dull white fabric (trousers of doctor)
Sample 44	=	Bright brown yarn (hair of patient & sanitation worker)
Sample 45	=	Dull green fabric (clothes & trousers of patient)
Sample 46	=	Yellow fabric (clothes of sanitation worker)
Sample 47	=	Light orange fabric (clothes of sanitation worker)
Sample 48	=	Orange fabric (cosmetic bag)
Sample 49	=	Dark red fabric (cosmetic bag)
Sample 50	=	Off-white fabric (cosmetic bag)
Sample 51	=	White fabric (zipper cloth of cosmetic bag)
Sample 52	=	White fabric excluding coatings (sewn-in label of cosmetic bag)
Sample 53	=	White unwoven (binding in cosmetic bag)
Sample 54	=	White sewing thread (clothes & trousers of police & person of police station &
		doctor & patient, cosmetic bag)
Sample 55	=	Blue sewing thread (trousers of police & firewoman & sanitation worker)
Sample 56*	=	Red sewing thread (hat of firewoman)
Sample 57	=	Yellow sewing thread (clothe of firewoman, hat & clothes of sanitation worker)
Sample 58	=	Black sewing thread (clothes of firewoman)
Sample 59	=	Orange sewing thread (cosmetic bag)
Sample 60	=	Dark red sewing thread (cosmetic bag)
Sample 61	=	Silvery metal (screw of police station & fire station & hospital & recycling station)
Sample 62	=	Silvery metal (zipper head of cosmetic bag)
Sample 63	=	Silvery metal (zipper puller of cosmetic bag)
Sample 64	=	White soft plastic (limbs of police & person of police station & firewoman & doctor
		& patient & sanitation worker)
Sample 65	=	Black plastic (frame inside of binding of cosmetic bag)

\*: Test specimen less than 10 mg is not required to test the soluble migrated elements according to ASTM F963-11 Clause 8.3.3.6 (2) and 8.3.5.3 (2)& EN 71-3:2013+A1:2014& AS/NZS ISO 8124.3: 2012 Section 7.

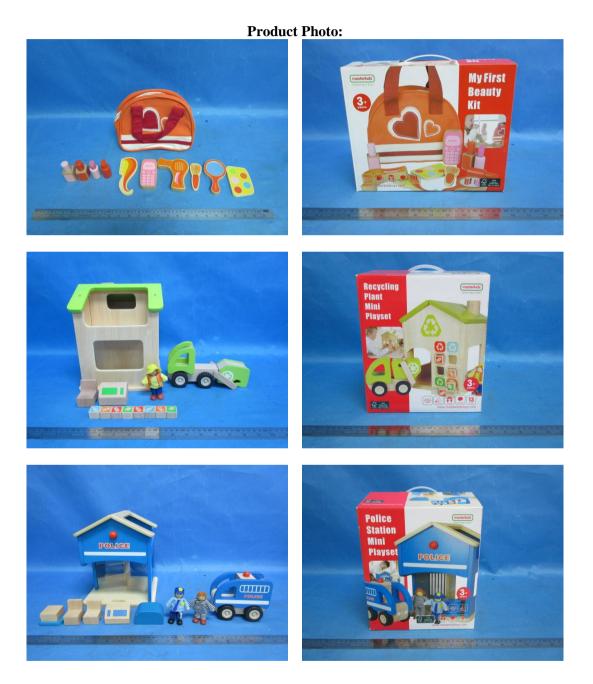
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CLIENT:Carpenters Manufactory LimitedREPORT NO:C80331674ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:May 16, 2016Town, DongGuan City, Guang Dong, ChinaChinaCarpentersCarpenters



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CLIENT:Carpenters Manufactory LimitedREPORT NO:C80331674ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:May 16, 2016Town, DongGuan City, Guang Dong, ChinaChinaCarpentersCarpenters

**Product Photo:** 





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#### APPENDIX 1 - TERMS AND CONDITIONS OF SERVICE / 附件一:服务所依据的条款和条件

#### UL VS Shanghai Limited-Shenzhen Branch ("UL VS") undertakes to provide services to its Customer subject to the terms and conditions contained herein. 优力胜邦质量检测(上海)有限公司深圳分公司("乙方")承诺根据以下所列的条款向客户("甲方")提供服务。

The term of limitation of liability contained herein has been conspicuously marked to draw the attention of the Customer, the full and complete explanation of the wording and legal significance of this term have been made to the Customer by UL-VS The Customer agrees that this term shall be construed as a provision of the agreement between UL-VS and lised, based to the full and complete understanding of the wording and legal significance of this term. Zint Amplitang Regulations and the state of the term. Zint Amplitang Regulations and Regulations are apprecision of the agreement between UL-VS and lised, based to the Quark the Quark and the Regulation of the wording and legal significance of this term. Zint Amplitang Regulations and Regulations are apprecision of the agreement between UL-VS and lised, the Quark and Zint Regulations are apprecision of the agreement between UL-VS and lised, the Quark the Quark and Zint Regulations are apprecision of the agreement between UL-VS and lised, the Quark the Quark and the Regulation of the Wording and Regulations are apprecision of the Amplitang and Regulations and Regulations are apprecision. The Regulation of the Amplitang and Regulations are apprecision of the Regulation of

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- 会用计算和付款 (a) Consulting time shall be charged on a daily basis. 容询时间应当以日为基础计费。
  (b) Where the personnel of UL VS are assigned by its Customer to any in-house projects, the Customer shall be billed on an hourly basis on the compensation rates of its personnel. 当乙方的人发就其非方指定生任何信项目、甲方应当以小时为基础按此考入员的展展费率进行计费。
  Disbursements incurred on the Customer's behalf such as expenditure for communications, transportation, travel, the purchase of any materials, tools, equipment, components or parts which are directly related to the service shall be billed at costs and shall handling charge at the discretion of UL VS.
  为甲方面产生的开关如与服务直接相关的通讯、交通、差底、剩实任何原料, 正具、设备、零件编程件的费用, 应当会成本有用方计费, 且应该合一管由乙方改定的合理手续费。
- 1.3
- 1.4
- 1.5
- カサ方面产生的开发如与服务互接相关的通讯、交通、差账、购买任有原料、工具、设备、零件或器件的费用。应当场级本利中方计费、Ⅱ应检合 ~ 在由乙方构定的合理手续费。 Where in the optionical UL VS the services are time consuming entaining the use of special equipment and a disbursements, the Customer shall be charged on an "equipment-hour" basis on the time spent. 当乙方用服务者指能大量时间,与致使用特殊及各或支证时,对中方将以所优度的 "发展—Avity" 为基础收取费用。 中方常在主体以及低而方式文付,或者能最乙方可以随时规定的其他方或其他方式文付。以能备方式做出的付款应当由中方承担风险. The Customer undertakke during the continuance of this Agreement -中方常在主体以及得载而不定。 10 b punctable to park and the continuence of this Agreement -中方常在主体以及得载而近前,就像一个有能量。 10 b punctable to the customer from time to time; 10 b punctable to park and free #mail to be made within 7 days from the date of the Debit Note; 除事为有者的形式。有效常见于其及思索或者做通知正正的了大限合批。 (2) where the Customer fails to pay within time, UL VS shall charge interest on overdue invoices at the rate of 2% per month or 24% per annum until payment, such interest to run from day to day and to accrue after as well as before any judgment and is to be compounded at monthy intervals:

- (c) where the Customer fails to pay within time, UL VS shall charge interest on overdue involves at the rate of 2.26 per instantion 2.26 per instantion of 2

#### CONFIDENTIAL TREATMENT OF INFORMATION

- SUNFI 第二条 信息的保密处理
- NTIAL TREATINGN (In PROVINATION **格素的教育** Unless otherwise specifically agreed between the parties, the services rendered by UL VS to the Customer shall be on a non-exclusive best-efforts basis. **除非** 双方向子科学预行法: 由こ之方向作力提供用意务应当堂立在不择他的书题接交资值通道之上. It is explicitly agreed by UL VS and the Customer that all technical information (whether contained in models, drawings, reproductions of drawings, written reports, letters, memoranda or notes or in any other form) shall be kept strictly confidential by UL VS for the purposes of this Agreement and UL VS shall at all times use all reasonable efforts to prevent the disclosure to third particulated in the VL VS shall at all times use all reasonable efforts to prevent the disclosure of the approximation is nocessary for performance by UL VS under this and particular diverse of the second and the 22
- 2.3
- 行义为州安衡。或该信息在根据不紊就规定问则有管理权的法运出其的判决或止力义下或根据上述则有管理化因数机则规定的参。通知要求必要规模的。 UUL VS undertakes that the identity of its Customers and the nature of services rendered shall be kept confidential unless the Customer agrees in writing to their release <u>Pro</u> of the Customer is generally known to the public. 乙方能试剂其中方的身份的研模规模服务的性质保密。除非中方书面同意调题。但若在乙方方面没有过错行为或失误的情况下,甲方的身份被公众普遍知悉。乙方不承担责任。

### PATENT RIGHTS 第三条 专利权利

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- y invention made in the performance of work for the Customer by UL VS within the field of work undertaken for the Customer, belongs to the Custom 为甲方履行工作的过程中,在为甲方所承担的工作范围内由乙方作出的任何发明属于甲方。
- UL VS's use of the aforesaid inventions shall be free of any royalty fees provided that the uses of such inventions are confined to the performance of the work for the Customer. 在为甲方履行工作的过程中使用上述发明,乙方应当免付专利使用费。

### LIMITATION OF LIABILITY 第四条 责任限制

使任務制 If any lability on the part of UL VS shall arise (whether under the express or impiled terms here of or under the relevant Chinese laws and regulations) in contract, tort or infringement, the Customer's right to recover damages for any loss of whatever nature caused by the fault or neglogence of UL VS or by any breach of its obligations or howsoever caused shall be limited to the payment by UL VS of the amount of the contract price under this Agreement and the said limitation of liability shall apply regardless of the form of action, whether in contract, tort or infringement or otherwise. In no event shall UL VS be liable for indicated ar consequential damage. The Customer hereby acknowledges and states that its losses and damages, whether direct or indirect, resulted therefrom will be sufficiently recovered by the above amount of acc2.orbite=ErdefoFine@RdRAfet (CtioER#RAFkiumTerXit, etc.), mrpgz.Refet ClineSe label for indirect, resulted herefrom will be sufficiently accounted by the above amount of acc2.orbite=ErdefoFine@RdRAfet (CtioER#RAFkiumTerXit, etc.), mrpgz.Refet ClineSe label for indirect, resulted herefrom will be garter that be active ac

#### 第五条 补偿

## in the event of actual or threatened suit against UL VS in relation to the services undertaken on behalf of the Customer or in relation to any of the Products or the Trade Mark or Patent of the Customer or of any allegation of infringement of any letters patent, registered design, trade mark or trade name, the Customer shall indemnify UL VS harmless from any liability, action, claim, demnad, costs, charges and expenses arising *there from* or expense including solicitors fees, coursel's fees in defending such actions <u>Provided Always</u> that the Customer will all to some election either effect any settlement or componing or all is own expenses defend any such action or proceeding and the Customer will all the some aft af a Cu / Ty // Ty // Relding Britky and the Customer will all the some aft af a Cu // Ty // Ty // Relding Britky and the Customer will all the customer or all gave the customer or componing effect. aft af a Cu // Ty // Ty // Relding Britky and the Customer will all the Customer or all a some effect and aft af a Cu // Ty // Ty // Relding Britky and the Customer will all the Customer or all a gave the customer or componing effect. Aft af a Cu // Ty // Ty // Relding Britky Britk

# SOLICITATION OF EMPLOYEES 第六条 雇员引诱

MAY 109 It is mutually agreed that neither party shall solicit the employees of the other for employment or hire unless prior written consent to do so is ob 双方同意能非常到哪先书面同意,任何一方均不得引诱雇佣或费用另一方的雇员。

### EFFECT OF PROPOSAL 第七条 建议书的效力

■本下部次JJ The accompanying proposal is valid for a period of ninety (90) days from the date of the proposal unless extended in writing by UL VS. Upon the acceptance of such proposal, this appendix shall form part of the Agreement with the Customer and notwithstanding any prior discussions or prior oral or written agreements to the contrary, the terms and conditions herein shall be applicable and take precedence over any conflicting terms contained in any documents submitted by the Customer. 所能了書放了, Ne 非由乙方书面延展。其有效期为建议书出具之日起九十(90)日。一旦接受此建议书,本附件应当构成与甲方之协议的一部分,且无论之前是否有与之相反的任何讨论或口头或书面协议,本文中的条款和条件应当延用于、且取代甲方提交的任何文件中所包含的任何与之 相冲交的条款。

#### DATA AND DOCUMENT RETENTION 第八条 教器和文件保密

- After the services are rendered, UL VS may retain a copy of all documents relating to the services (the "Supporting Documents") for as long as UL VS, in its sole discretion, deems fit. 在提供服务后,乙方可以在其认为合适时保留一份与其服务相关的所有文件("支持文件")的复印件。 (b)
  - 在提供服务系。乙方可以在其认为合适时保留一合其服务相关的所有文件(\*文持文件\*\*)的复印件. Unless otherwise specified or required by the applicable kay, all Supporting Documents leves of age will be automatically destroyed by UL VS without notice to the Customer and any or all Supporting Documents less than 3 years are scheduled to be destroyed, UL VS shall give the Customer and so and the Customer's last known address of its intention to destroy the Supporting Documents. Unless the Austomer makes a written request to UL VS reaching UL VS before the expiration of the said 30 days seeking delivery of these documents to the Customer at the Customer's targets the Customer's last known address of its intention to destroy the Supporting Documents. Unless the Customer at the Customer's the Customer's the Customer's the address (the Supporting Documents). The Supporting Documents is all be destroyed. UL VS address the Supporting Documents is all be destroyed. The Supporting Documents is all be destroyed. The Supporting Documents is the Customer's the Support (the Support to Support to Support to Support (the Support to Support to Support (the Suppor

### GOVERNING LA 第九条 适用法律 9.1 This Ag

This Agreement and the rights and obligations of the parties shall in all respects be governed, construed, interpreted and operated in accordance with the relevant Chinese laws and regulations. 本协议和双方的权利义务在各方面都应当由相关的中国法律法规管辖、推断、解释和操作。

#### OBLIGATIONS OF THE CUSTOMER

- #7的交易
  If the Customer intends to change the work hereunder or assign any other work to UL VS, such a change or new assignment shall be subject to a separate negotiation and agreement between both of the parties. If UL VS suffers any loss or damage because the Customer changes the contractual work undertaken by UL. VS as agreed by both parties prior to completion of the work, the Customer shall component for such losses and damages.
  #7 Int Seq 2. The S 10.2

### SAMPLES 第十一条 样品

## ULVS expects Customers to abide by all applicable regulations when shipping samples to ULVS. Improper shipping may result in additional charges for costs incurred by ULVS. (a) to identify samples to ULVS. (b) damage done to ULVS personnel or property as a result of improper packaging, labeling or omission of identifying documents. ULVS has the right to refuse receipt of any shipment that, in its discretion, is unsafe or has been shipped improperly. Any costs associated by refusal to accept shipment under this clause are the soarce responsibility of the Customer. Customeres shall informity and hold haminges. ULVS for any and all camages, expenses, fines, ludgments, labeling and costs (including attorney's fee) for advariant for not he improper packaging or shipment under this clause are the soarce by Customer. Z 方規度理方能後通新有相近年用規模定程件高速结合方, 不正确简考方式可能会受致成本理题, C 方規模取用提算用: (a) 鉴误相成分, (b) 由于不正确的包装, 标注或者识损文件的选择中方人包括地模型], a

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#### MISCELLANEOUS PROVISIONS 第十三条 其他规定

- Anctors Provision of this Agreement prohibited by or regarded as unlawful or unenforceable under any applicable law actually applied by any court of competent jurisdiction shall, to the extent required by such law, be severed by this Agreement and rendered ineffective so far as is possible without modifying the remaining provisions of the agreement. Where however the provisions of any such applicable law actually applied by any court of competent jurisdiction shall, to the extent required by such law, be severed by this Agreement and rendered ineffective so far as is possible without modifying the remaining provisions of the agreement. Where however the provisions of any such applicable law may be waived, they are hereby waived by the parties hereto to the full extent permitted by such law to the end that this Agreement shall be valid and binding agreement enforceable in accordance with its terms. Ref feits NOILSER HERE THE THE THE AGREEMENT AGREEM
- 13.2
- 13.3
- 13.4
- 13.5 This report or certificate does not relieve selfers/suppliers from their contractual responsibility with regards to the quality/quantity of this delivery nor does it prejudice Customer's right to claim to during UL VS's random inspection or testing or audit. 水程完或正书未免除表方/使应为关于交付货物质量/发量方面的合同责任,也不影响甲方向卖方/供应方主张赔偿在乙方随机检查或测试或审核中未被发现的任何表面和/或隐蔽的瑕疵的权利。