



中国认可  
国际互认  
检测  
TESTING  
CNAS L1114

# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

Attn: Kelly Xiong

Sample Description: Square LED Box ( Colour Changing)

Quantity Submitted: 1 set  
Supplier: Carpenters Manufactory Limited  
Buyer: Not provided  
Style/Item No.: ME07452  
P.O. No.: Not provided  
Labeled Age Grading: Ages 3Y+  
Destination: Global  
Country of Origin: China  
Date(s) of samples received: September 18, 2016& October 12, 2016& December 22, 2016 & April 5, 2017

**TEST METHOD & RESULTS:** Please refer to next page(s)

**CONCLUSION:** Please refer to page two(2)

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## CONCLUSION:

### USA:

ASTM F963-16 Physical & Mechanical Requirements	PASS
16 CFR 1500 Physical & Mechanical Requirements	PASS
ASTM F963-16 Flammability Requirements	PASS
16 CFR 1500.3 (c)(6) (vi) / 16 CFR 1500.44 Flammability Requirements	PASS
ASTM F963-16 Clause 4.3.5.1 (2) Elements Migration in surface coating	PASS <sup>#2</sup>
ASTM F963-16 Clause 4.3.5.2 (2) (b) Elements Migration in substrate	PASS <sup>#4, #5</sup>
ASTM F963-16 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 Requirement [Paint or Surface Coating]	PASS <sup>#3</sup>
ASTM F963-16 Clause 4.3.5.2 (2) (a) Total Lead in Substrate	PASS <sup>#4, #5</sup>
Consumer Product Safety Improvement Act of 2008 Total Lead Content Requirement [Substrate Materials]	PASS <sup>#4, #5</sup>
ASTM F963-16 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 <sup>#2, #5</sup>

### CANADA:

Canada Toys Regulations SOR/2011-17 And Regulations Amending Toys Regulations SOR/2016-195 &SOR/2016-302 Physical And Mechanical Requirements	PASS
Canada Toys Regulations SOR/2011-17 And Regulations Amending Toys Regulations SOR/2016-195 &SOR/2016-302 Flammability Requirements (Cellulose Nitrate And Celluloid)	PASS
Canada Toys Regulations SOR/2011-17 and Regulations Amending Toys Regulations SOR/2016-195 &SOR/2016-302 Heavy Metal Content Requirements	PASS <sup>#3</sup>
Canada Phthalates regulations SOR 2016-188	PASS <sup>#2, #5</sup>
Canada Consumer Products Containing Lead (Contact mouth) regulation	NOT APPLICABLE <sup>#1</sup>

### AU:

AS/NZS 8124.1:2016 Physical & Mechanical Requirements	PASS
AS/NZS ISO 8124.2:2016 Flammability Requirements	PASS
Migration Of Certain Elements : AZ/NZS ISO 8124.3:2012/Amdt 1:2016	PASS <sup>#2, #4, #5</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, #5</sup>
Total Cadmium Content and European Reach Regulation Annex XVII	PASS <sup>#2, #5</sup>
Total Phthalate Content European Reach Regulation Annex XVII	PASS <sup>#2, #5</sup>
Azo Dyes Test and European Reach Regulation Annex XVII	NOT APPLICABLE <sup>#1</sup>

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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 and 9 listed in the report is identical with the one in report C82071667. The test data of sample 2, 3, 4, 5 and 9 in the report was referred from report C82071667 issued on November 28, 2016.
- #3: As claimed by client, the sample 2, 3, 4, 5 and 9 listed in the report is identical with the one in report C82071666. The test data of sample 2, 3, 4, 5 and 9 in the report was referred from report C82071666 issued on November 28, 2016.
- #4: As claimed by client, the sample 44 and 45 listed in the report is identical with the one in report C82231639. The test data of sample 44 and 45 in the report was referred from report C82231639 issued on February 21, 2017.
- #5: As claimed by client, the sample 29 listed in the report is identical with the one in report C82231647. The test data of sample 29 in the report was referred from report C82231647 issued on February 28, 2017.

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

*David Mo*

*Lulu Yang*

David Mo  
Supervisor - Toys Department

Lulu Yang  
Senior Technical Officer  
Chemical Department

**Important Notes :**

- The results only relate to the samples tested.  
**The below tests are except from the ILAC-MRA/CNAS accreditation scope:**
1. Canada Toys Regulations SOR/2011-17 And Regulations Amending Toys Regulations SOR/2016-195 &SOR/2016-302 Physical And Mechanical Requirements
  2. Canada Toys Regulations SOR/2011-17 And Regulations Amending Toys Regulations SOR/2016-195 &SOR/2016-302 Flammability Requirements (Cellulose Nitrate And Celluloid)

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REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

### 1. USA

#### 1.1 MECHANICAL AND PHYSICAL TEST

##### 1.1.1 AS PER ASTM STANDARD CONSUMER SAFETY SPECIFICATION FOR TOYS SAFETY F963-16

The following clauses are identified to be applicable:

Age grading for testing : Ages 3+

Samples Quantity : 1 style (s) x 1 piece(s)

1 piece-- Square LED Box ( Colour Changing) --Battery Operated Toys& Safety Labeling Requirements --[Second Submission Sample]

<u>Clause</u>	<u>Test Items</u>	<u>Assessment</u>
4.1	Material(visual check on cleanness)	P
4.7	Accessible Edges	P
4.9	Accessible Points	P
4.11	Nails And Fasteners	P
4.25	Battery Operated Toys	P
5	Safety Labeling Requirements	P
6	Instructional Literature	P
7	Producer's Markings	P

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 : 1 style (s) x 1 piece(s)

<u>TEST ITEMS</u>	<u>SHARP POINT</u> (1500.48)	<u>SHARP EDGE</u> (1500.49)
As received	P	P
1500.53 Impact Test	P	P
1500.53 Torque Test	P	P
1500.53 Tension Test	P	P
1500.53 Compression	P	P

Remark: P = Pass

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## TEST RESULTS

### 1.2 FLAMMABILITY TEST

#### 1.2.1 AS ASTM STANDARD ON SAFETY OF TOYS F963-16 ANNEX A5:

Samples Quantity: 1 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: 1 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:

#### 1.3.1 SOLUBLE ELEMENT MIGRATION IN SURFACE COATING

Requirement: As per ASTM F963-16 Clause 4.3.5.1 (2) requirement, materials under test shall not exceed below limit.

Test method Reference to ASTM F963-16 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	7.5	<6.0	<6.0
Sample 5	<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

Remark:

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

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## TEST RESULTS

### 1.3.2 SOLUBLE ELEMENT MIGRATION IN SUBSTRATES

Requirement: As per ASTM F963-16 Clause 4.3.5.2 (2) (b) requirement, materials under test shall not exceed below limit.

Test method Reference to ASTM F963-16 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 21	<6.0	<2.5	<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	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
<b>[Second Submission Sample]</b>								
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 34	<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

Remark:

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

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### 1.3.2 TOTAL LEAD CONTENT TEST: COATING

Requirement :As per ASTM F963-16 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 :

	<u>Sample 2</u>	<u>Sample 3</u>	<u>Sample 4</u>	<u>Sample 5</u>	<u>Sample 9</u>
Total Lead	<10.0	<10.0	21.9	<10.0	<10.0

All concentrations expressed in milligrams per kilogram  
“<” means “less than”

### 1.3.4 TOTAL LEAD CONTENT TEST: COATING

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:

	<u>Sample 2</u>	<u>Sample 3</u>	<u>Sample 4</u>	<u>Sample 5</u>	<u>Sample 9</u>
Total Lead	<10.0	<10.0	21.9	<10.0	<10.0

All concentrations expressed in milligrams per kilogram  
“<” means “less than”

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DATE: April 8, 2017

## 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:

	<u>Sample 2</u>	<u>Sample 3</u>	<u>Sample 4</u>	<u>Sample 5</u>	<u>Sample 9</u>
Total Lead	<10.0	<10.0	21.9	<10.0	<10.0

All concentrations expressed in milligrams per kilogram  
“<” means “less than”

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CNAS L1114

# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

### 1.3.6 TOTAL LEAD CONTENT TEST: SUBSTRATE

Requirement: As per ASTM F963-16 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 :

Total Lead	<u>Sample 18</u> 22.0	<u>Sample 21</u> <10.0	<u>Sample 22/23/24</u> <10.0	<u>Sample 25/26</u> <10.0
Total Lead	<u>Sample 27</u> [Second Submission Sample] <10.0		<u>Sample 28</u> 54.4	<u>Sample 29</u> <10.0
Total Lead	<u>Sample 30</u> <10.0	<u>Sample 31</u> <10.0	<u>Sample 32*</u> [Second Submission Sample] 117.2	
Total Lead	<u>Sample 33</u> 27.1	<u>Sample 34</u> <10.0	<u>Sample 44</u> <10.0	<u>Sample 47</u> <10.0
Total Lead	<u>Sample 48</u> <10.0	<u>Sample 49</u> <10.0		

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

For Samples 32, with information provided by client, the result is exempted from Consumer Product Safety Improvement Act of 2008, Title I, Section 101(a) (2) based on the maximum allowance of lead content of 4% (40000 ppm) for copper-based alloys, Exemptions for Certain Electronic Devices; Interim Final Rule, Federal Register Notice Vol.74, No. 28, February 12, 2009

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
 ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China  
 REPORT NO: C81421671  
 DATE: April 8, 2017

## 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 18</u> 22.0	<u>Sample 21</u> <10.0	<u>Sample 22/23/24</u> <10.0	<u>Sample 25/26</u> <10.0
Total Lead	<u>Sample 27</u> [Second Submission Sample] <10.0		<u>Sample 28</u> 54.4	<u>Sample 29</u> <10.0
Total Lead	<u>Sample 30</u> <10.0	<u>Sample 31</u> <10.0	<u>Sample 32*</u> [Second Submission Sample] 117.2	
Total Lead	<u>Sample 33</u> 27.1	<u>Sample 34</u> <10.0	<u>Sample 44</u> <10.0	<u>Sample 47</u> <10.0
Total Lead	<u>Sample 48</u> <10.0	<u>Sample 49</u> <10.0		

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

For Samples 32, with information provided by client, the result is exempted from Consumer Product Safety Improvement Act of 2008, Title I, Section 101(a) (2) based on the maximum allowance of lead content of 4% (40000 ppm) for copper-based alloys, Exemptions for Certain Electronic Devices; Interim Final Rule, Federal Register Notice Vol.74, No. 28, February 12, 2009

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## 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 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 9	ND	ND	ND	ND	ND	ND
Sample 21/23	ND	ND	ND	ND	ND	ND
Sample 27	ND	ND	ND	ND	ND	ND
<b>[Second Submission Sample]</b>						
Sample 29	ND	ND	ND	ND	ND	ND
Sample 31	ND	ND	0.011%	ND	ND	ND

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

Key : DBP = Di-butyl phthalate DEHP = Di (2-Ethylhexyl) phthalate  
BBP = Benzyl butyl phthalate DINP = Di-“isonomy” phthalate  
DIDP = Di-“isodecyl” phthalate DNOP = Di -n-octal phthalate

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

### 2. CANADA

#### 2.1 MECHANICAL AND PHYSICAL TEST

#### AS PER CANADA TOYS REGULATIONS SOR/2011-17 AND REGULATIONS AMENDING TOYS REGULATION SOR/2016-195 &SOR/2016-302

The following clauses are identified to be applicable:

Age grading for testing : Ages 3+  
Samples Quantity : 1 style (s) x 1 piece(s)

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

Remark: P = Pass

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

### 2.2 FLAMMABILITY TEST

#### 2.2.1 AS PER CANADA TOYS REGULATIONS SOR/2011-17 AND REGULATIONS AMENDING TOYS REGULATIONS SOR/2016-195 & SOR/2016-302 SECTION 21 (CELLULOSE NITRATE AND CELLULOID)

Requirement: Celluloid (cellulose nitrate) and materials with the same behaviour in fire (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.

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

### 2.3 CHEMICAL TESTS:

#### 2.3.1 HEAVY METAL CONTENT TEST: CANADA TOYS REGULATION SOR/2011-17 AND REGULATIONS AMENDING TOYS REGULATIONS SOR/2016-195 & SOR/2016-302

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

Results:

Elements	Total Lead	Total Mercury	Soluble Antimony	Soluble Arsenic	Soluble Barium	Soluble Cadmium	Soluble Selenium
Limits	< 90	None	< 1000	< 1000	< 1000	< 1000	< 1000
Sample 2	<10.0	**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	21.9	**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 9	<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 REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China  
REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

### 2.3.2 TOTAL PHTHALATE TEST: CANADA PHTHALATES REGULATION SOR 2016-188

Criteria : The submitted sample shall comply with Canada phthalate regulation.  
DEHP, DBP and BBP: Vinyl used in Toy and child care article shall not contain more than 1000 mg/Kg of DEHP, DBP or BBP;  
DINP, DIDP and DNOP: Vinyl used in any part of toy and child care article that can, in reasonably foreseeable manner, be placed the mouth of child of 4 years of age shall not contain more than 1000 mg/Kg of DINP, DIDP or DNOP

Method : Reference to Canada Product safety reference manual, Book 5, Part B, Method C-34, Determination of phthalates in polyvinyl chloride and following by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

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 9	ND	ND	ND	ND	ND	ND
Sample 21/23	ND	ND	ND	ND	ND	ND
Sample 27						
<b>[Second Submission Sample]</b>						
Sample 29	ND	ND	ND	ND	ND	ND
Sample 31	ND	ND	110mg/kg	ND	ND	ND

Remarks: 1) Detection Limit for each phthalate = 0.005%  
2) ND= not detected  
3) All concentrations expressed in milligrams per kilogram

Key : DBP = Dibutyl Phthalate DEHP = Di (2-Ethylhexyl) Phthalate  
BBP = Benzyl butyl Phthalate DINP = Di-“isononyl” phthalate  
DIDP = Di-“isodecyl” phthalate DNOP = Di -n-octyl phthalate

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

### 3. AUSTRALIA

#### 3.1 MECHANICAL AND PHYSICAL TEST

#### AS PER AUSTRALIAN/NEW ZEALAND STANDARD ON SAFETY OF TOYS AS/NZS 8124.1:2016 SAFETY ASPECTS RELATED TO MECHANICAL AND PHYSICAL PROPERTIES

The following clauses are identified to be applicable:

Age grading for testing : Ages 3+  
Samples Quantity : 1 style (s) x 1 piece(s)  
1 piece-- Square LED Box ( Colour Changing) -- Safety labeling guidelines and manufacturer's markings --[Second Submission Sample]

<u>Clause</u>	<u>Test Items</u>	<u>Assessment</u>
4.1	Normal use	P
4.2	Reasonably foreseeable abuse	P
4.3	Material	P
4.6	Edges	P
4.7	Points	P
ANNEX B	Safety labeling guidelines and manufacturer's markings	P

Remark: P = Pass

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

### 3.2 FLAMMABILITY TEST

#### AS PER AUSTRALIAN/NEW ZEALAND STANDARD ON SAFETY OF TOYS AS/NZS ISO 8124.2:2016 CLAUSE 4.1 GENERAL REQUIREMENT (CELLULOSE NITRATE):

Requirement: Celluloid (cellulose nitrate) and materials with the same behaviour in fire (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.

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China  
REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

### 3.3 CHEMICAL TESTS:

#### 3.3.1 MIGRATION OF CERTAIN ELEMENTS : AZ/NZS ISO 8124.3:2012/AMDT 1:2016

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	7.5	<6.0	<6.0
Sample 5	<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 21	<6.0	<2.5	<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	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
<b>[Second Submission Sample]</b>								
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 34	<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

### 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.

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



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CNAS L1114

# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## 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 : 1 style (s) x 1 piece(s)

<u>Clause</u>	<u>Test Items</u>	<u>Assessment</u>
4.1	Material Cleanliness	P
4.5	Glass	P
4.7	Edges	P
4.8	Points and metallic wires	P

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 REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

### 4.2 FLAMMABILITY TEST

**AS PER EUROPEAN STANDARD ON SAFETY OF TOYS EN 71-2:2011+ A1:2014  
SECTION 4.1 GENERAL REQUIREMENT (CELLULOSE NITRATE):**

Requirement: Celluloid (cellulose nitrate), except when used in varnish, paint or glue, or in balls of the type used for table tennis or similar games, and materials with the same behaviour in fire as celluloid, shall not be used in the manufacture of toys.

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

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## 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 (Scraped off material)	Sample 2	Sample 3	Sample 4	Sample 5	Sample 9
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 <sup>Δ</sup>	<0.2 <sup>Δ</sup>	<0.2 <sup>Δ</sup>	<0.2 <sup>Δ</sup>	<0.2 <sup>Δ</sup>
Lead	160	6.0	<5.0	7.5	<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> (Expressed as TBT)	12	--	--	--	--	--
Zinc	46,000	5850.0	6500.0	6400.0	5250.0	5800.0

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

### Results:

Elements <sup>1</sup>	Limits (Scraped off material)	Sample 21	Sample 22	Sample 23	Sample 24	Sample 25
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 <sup>Δ</sup>	<0.2 <sup>Δ</sup>	<0.2 <sup>Δ</sup>	<0.2 <sup>Δ</sup>	<0.2 <sup>Δ</sup>
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> (Expressed as TBT)	12	--	--	--	--	--
Zinc	46,000	<50	<50	<50	<50	<50

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

Results:

Elements <sup>1</sup>	Limits (Scraped off material)	Sample 26	Sample 27 [Second Submission Sample]	Sample 29	Sample 30	Sample 31
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 <sup>A</sup>	<0.2 <sup>A</sup>	<0.2 <sup>A</sup>	<0.2 <sup>A</sup>	<0.2 <sup>A</sup>
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> (Expressed as TBT)	12	--	--	--	--	--
Zinc	46,000	<50	<50	<50	<50	<50

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

### Results:

Elements <sup>1</sup>	Limits (Scraped off material)	Sample 34	Sample 44	Sample 45
Antimony	560	<5.0	<5.0	<5.0
Arsenic	47	<2.5	<2.5	<2.5
Barium	18750	<5.0	<5.0	<5.0
Cadmium	17	<5.0	<5.0	<5.0
Chromium III <sup>2</sup>	460	<0.2	<0.2	<0.2
Chromium VI <sup>2</sup>	0.2	<0.2 <sup>Δ</sup>	<0.2 <sup>Δ</sup>	<0.2 <sup>Δ</sup>
Lead	160	<5.0	<5.0	<5.0
Mercury	94	<5.0	<5.0	<5.0
Selenium	460	<5.0	<5.0	<5.0
Aluminum	70,000	<50	<50	<50
Boron	15,000	<50	<50	<50
Cobalt	130	<5.0	<5.0	<5.0
Copper	7700	<50	<50	<50
Manganese	15,000	<5.0	<5.0	<5.0
Nickel	930	16.5	<5.0	<5.0
Strontium	56,000	<5.0	8.5	<5.0
Tin	180,000	4.5	<4.0	<4.0
Organic Tin <sup>3</sup> (Expressed as TBT)	12	--	--	--
Zinc	46,000	<50	<50	<50

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

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## 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. Δ : Chromium VI data is based on total Chromium

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

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

Results:

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 6/7/8	<5.0
Sample 9	<5.0
Sample 10/11/12	<5.0
Sample 13/14	<5.0
Sample 15/16	<5.0
Sample 19/20	<5.0
Sample 21	<5.0
Sample 22/23/24	<5.0
Sample 25/26	<5.0
Sample 27	<5.0
<b>[Second Submission Sample]</b>	
Sample 29	<5.0
Sample 30	<5.0
Sample 31	<5.0
Sample 34	<5.0
Sample 35/40/17	<5.0
Sample 36/37	<5.0
Sample 38	<5.0
Sample 39	<5.0
Sample 41/42/43	<5.0
Sample 46	<5.0

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

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## 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 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	--	--	--
Sample 7	ND	ND	ND	--	--	--
Sample 8	0.017%	ND	ND	--	--	--
Sample 9	ND	ND	ND	ND	ND	ND
Sample 10	0.023%	ND	ND	--	--	--
Sample 11	ND	ND	ND	--	--	--
Sample 12	ND	ND	ND	--	--	--
Sample 13/14	ND	ND	ND	--	--	--
Sample 15/16	ND	ND	ND	--	--	--
Sample 19/20	ND	ND	ND	--	--	--
Sample 21/23	ND	ND	ND	ND	ND	ND
Sample 22/24	ND	ND	ND	ND	ND	ND
Sample 25	ND	ND	ND	ND	ND	ND
Sample 26	ND	ND	ND	ND	ND	ND
Sample 27	ND	ND	ND	ND	ND	ND
<b>[Second Submission Sample]</b>						
Sample 29	ND	ND	ND	ND	ND	ND
Sample 31	ND	ND	0.011%	ND	ND	ND

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





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CNAS L1114

# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

Sample ID	Plasticiser Values (w/w)					
	DBP	BBP	DEHP	DNOP	DINP	DIDP
Sample 30/34	ND	ND	ND	ND	ND	ND
Sample 35/40/17	ND	ND	ND	--	--	--
Sample 36/37	ND	ND	ND	--	--	--
Sample 38	ND	ND	ND	--	--	--
Sample 39	ND	ND	ND	--	--	--
Sample 41	0.019%	ND	ND	--	--	--
Sample 42	0.013%	ND	ND	--	--	--
Sample 43	0.021%	ND	ND	--	--	--
Sample 46	ND	ND	ND	--	--	--

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

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

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

### Key to sample(s):

- Sample 1 = White PCB (base of LED light inside screen board of square LED box)(inaccessible)
- Sample 2 = Bright red coating (A1Y) (square LED box)
- Sample 3 = Dark green coating (A5Y) (square LED box)
- Sample 4 = Dark blue coating (A7Y) (square LED box)
- Sample 5 = Clear Lacquer (A21Y) (square LED box)
- Sample 6 = Transparent blue plastic film (film on inside board of square LED box)(inaccessible)
- Sample 7 = Black soft plastic with white printing/black plastic label (wire covering/plastic sticker inside screen board of square LED box)(inaccessible)
- Sample 8 = White plastic (LED light inside screen board of square LED box)(inaccessible)
- Sample 9 = Black coating (A19Y) (keyboard of remote control of square LED box)
- Sample 10 = Blue soft plastic (wire covering inside thick cable of wooden adapter/wire covering inside medium cable of square LED box)(inaccessible)
- Sample 11 = White dry glue (inside plastic adapter of square LED box)(inaccessible)
- Sample 12 = Black soft plastic with white printing (shrink tube inside plastic adapter/inside screen board of square LED box)(inaccessible)
- Sample 13 = Black foam with adhesive (inside plastic adapter/pad inside board of square LED box)(inaccessible)
- Sample 14 = Transparent/translucent plastic (LED light inside plastic adapter of square LED box)(inaccessible)
- Sample 15 = Green plastic film with white printing/black plastic film with white printing/black soft plastic (cover/plug of all capacity inside plastic adapter of square LED box)(inaccessible)
- Sample 16 = Light yellow plastic label with black printing (inside plastic adapter of square LED box)(inaccessible)
- Sample 17 = White PCB (inside plastic adapter of square LED box)(inaccessible)
- Sample 18 = Silvery metal (metal pin on plastic adapter of square LED box)
- Sample 19 = Transparent plastic with white dot pattern (under screen board of square LED box)(inaccessible)
- Sample 20 = White plastic sheet (under screen board of square LED box)(inaccessible)
- Sample 21 = Translucent soft plastic (pad on square LED box)
- Sample 22 = Translucent plastic with inaccessible black coating(screen board of square LED box)
- Sample 23 = Grey soft plastic (keyboard of remote control of square LED box)
- Sample 24 = Bright white plastic (remote control of square LED box)
- Sample 25 = Dull white plastic (remote control of square LED box)
- Sample 26 = Transparent plastic (remote control of square LED box)
- Sample 27 = Black soft plastic with white printing (thick cable of square LED box, joint on thick cable of square LED box)
- Sample 28 = Copper metal (pin on inside joint of thick cable of square LED box)

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

## TEST RESULTS

- Sample 29 = Black soft plastic (ring on joint on thick cable of square LED box)
- Sample 30 = Black/transparent plastic (adapter/light on adapter of square LED box)
- Sample 31 = Black soft plastic with white printing (thin cable of square LED box)
- Sample 32 = Silvery metal (plug/pin inside plug on thin cable of square LED box)
- Sample 33 = Silvery metal (plug on medium cable of square LED box)
- Sample 34 = Black plastic (plug on thin cable of square LED box)
- Sample 35 = Green PCB (PCB inside remote control of square LED box)(inaccessible)
- Sample 36 = Dull white plastic (fastener inside wooden adapter of square LED box)(inaccessible)
- Sample 37 = Light beige plastic (power inside wooden adapter of square LED box)(inaccessible)
- Sample 38 = Dull green plastic/black soft plastic/black plastic film with white printing (inside power/wire covering/capacity/plug of capacity inside power of wooden adapter of square LED box)(inaccessible)
- Sample 39 = Silvery plastic label with inaccessible multicolor coatings/silvery laser label with black coating (sticker/QC label on power inside wooden adapter/label inside screen board of square LED box)(inaccessible)
- Sample 40 = Green PCB (PCB inside power of wooden adapter of square LED box)(inaccessible)
- Sample 41 = Yellow soft plastic (wire covering inside thick cable of wooden adapter of square LED box)(inaccessible)
- Sample 42 = Red soft plastic (wire covering inside thick cable of wooden adapter of square LED box)(inaccessible)
- Sample 43 = Green soft plastic (wire covering inside thick cable of wooden adapter of square LED box)(inaccessible)
- Sample 44 = Beige plywood (wooden adapter of square LED box)
- Sample 45 = Brown wood (square LED box)
- Sample 46 = Transparent plastic label/white paper label with transparent plastic film and coatings (sticker on PCB inside remote control of square LED box)(inaccessible)
- Sample 47 = Light blue plated metal (long screw on square LED box)
- Sample 48 = Silvery metal (screw on square LED box)
- Sample 49 = Silvery metal (screw on wooden adapter of square LED box)

Date(s) of test(s) conducted: September 19, 2016 to September 23, 2016  
April 5, 2017 to April 7, 2017 [Second Submission Sample]

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# TEST REPORT

CLIENT: Carpenters Manufactory Limited  
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi Town, DongGuan City, Guang Dong, China

REPORT NO: C81421671  
DATE: April 8, 2017

### Product Photo:



\*\*\*\*\* THE END \*\*\*\*\*

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