





CLIENT: Carpenters Manufactory Limited REPORT NO: C80121797

ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi DATE: March 21, 2017

Town, DongGuan City, Guang Dong, China

Attn: Kelly Xiong

Sample Description: Flexible Reflection Learning Board /

Sensorial Shape Matching Blocks Set /

Geometric Shapes Stacker Set / Magnetism Discovery Board

Quantity Submitted: 4 sets

Supplier: Carpenters Manufactory Limited

Buyer: Not provided

Style/Item No.: MK09425/MK09395/MK09418/MK08862

P.O. No.: Not provided

Labeled Age Grading: 2+/3+
Destination: Global
Country of Origin: China

Date(s) of samples received: February 22, 2017

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

CONCLUSION: Please refer to page two(2)

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CONCLUSION:

•	TO	•	
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ASTM F963-16 Physical & Mechanical Requirements	PASS
16 CFR 1500&1501 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 ^{#2}
ASTM F963-16 Clause 4.3.5.2 (2) (b) Elements Migration in substrate	PASS ^{#4}
ASTM F963-16 Clause 4.3.5.1 (1) Total Lead in Surface Coating	PASS ^{#3}
16 CFR 1303 Total Lead Content Requirements	PASS ^{#3}
Consumer Product Safety Improvement Act of 2008 Total Lead Content	PASS ^{#3}
Requirement [Paint or Surface Coating]	
ASTM F963-16 Clause 4.3.5.2 (2) (a) Total Lead in Substrate	PASS ^{#4}
Consumer Product Safety Improvement Act of 2008 Total Lead Content	PASS ^{#4}

Requirement [Substrate Materials]

ASTM F963-16 Clause 4.3.5.2 (2) (c) Soluble Cadmium in metallic small part

Consumer Product Safety Improvement Act of 2008 Total Phthalate Requirement

PASS^{#2}

NOT APPLICABLE^{#1}

PASS^{#2}

CANADA:

Canada Toys Regulations SOR/2011-17 And Regulations Amending Toys	PASS
Regulations SOR/2016-195 &SOR/2016-302 Physical And Mechanical	
Requirements	
Canada Toys Regulations SOR/2011-17 And Regulations Amending Toys	PASS

Canada Toys Regulations SOR/2011-17 And Regulations Amending Toys
Regulations SOR/2016-195 &SOR/2016-302 Flammability Requirements (Cellulose

Nitrate And Celluloid)

Canada Toys Regulations SOR/2011-17 and Regulations Amending Toys
Regulations SOR/2016-195 &SOR/2016-302 Heavy Metal Content Requirements
Canada Phthalates regulations SOR 2016-188
Canada Consumer Products Containing Lead (Contact mouth) regulation
PASS**3
PASS**3
PASS**3

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 ^{#2, #4}
DEHP requirement per Australia Government	PASS ^{#2}

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 ^{#2, #4}
Total Cadmium Content and European Reach Regulation Annex XVII	$PASS^{\#2}$
Total Phthalate Content European Reach Regulation Annex XVII	$PASS^{\sharp 2}$

Azo Dyes Test and European Reach Regulation Annex XVII NOT APPLICABLE^{#1}

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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, 23, 24, 25, 26 and 27 listed in the report is identical with the one in report C82071667. The test data of sample 2, 3, 4, 5, 6, 7, 8, 9, 10, 23, 24, 25, 26 and 27 in the report was referred from report C82071667 issued on November 28, 2016.

#3: As claimed by client, the sample 2, 3, 4, 5, 6, 7, 8, 9, 10, 23, 24, 25, 26 and 27 listed in the report is identical with the one in report C82071666. The test data of sample 2, 3, 4, 5, 6, 7, 8, 9, 10, 23, 24, 25, 26 and 27 in the report was referred from report C82071666 issued on November 28, 2016.

#4: As claimed by client, the sample 11, 12, 22 and 28 listed in the report is identical with the one in report C82231639. The test data of sample 11, 12, 22 and 28 in the report was referred from report C82231639 issued on February 21, 2017.

For and on behalf of:

UL VS Shanghai Limited Shenzhen Branch

David Mo

Supervisor - Toys Department

Lulu Yang

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:

- Canada Toys Regulations SOR/2011-17 And Regulations Amending Toys Regulations SOR/2016-195 &SOR/2016 302 Physical And Mechanical Requirements
- 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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TEST RESULTS

1. USA

1.1 MECHANICAL AND PHYSICAL TEST

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

The following clauses are identified to be applicable:

Age grading for testing : Ages 2+ (MK09395/ MK09418)

Samples Quantity : 2 style (s) x 1 piece(s)

<u>Clause</u>	<u>Test Items</u>	<u>Assessment</u>
4.1	Material(visual check on cleanness)	P
4.6	Small Objects	P
4.7	Accessible Edges	P
4.9	Accessible Points	P
5	Safety Labeling Requirements	P
6	Instructional Literature	P
7	Producer's Markings	P

Remark: P = Pass

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TEST RESULTS

AS PER ASTM STANDARD CONSUMER SAFETY SPECFICATION FOR TOYS SAFETY F963-16

The following clauses are identified to be applicable:

Age grading for testing : Ages 3+ (MK09425/ MK08862)

Samples Quantity : 2 style (s) x 1 piece(s)

<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
4.12	Plastic Film	P
4.38	Magnets	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 2+ (MK09395/ MK09418)

Samples Quantity : 2 style (s) x 1 piece(s)

	TEST ITEMS	SHARP POINT	SHARP EDGE	(SMALL PART)
		(1500.48)	(1500.49)	(1501)
	As received	P	P	P
1500.53	Impact Test	P	P	P
1500.53	Torque Test	P	P	P
1500.53	Compression	P	P	P
1500.52	Bite Test	P	P	P

Remark: P = Pass

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TEST RESULTS

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+ (MK09425/ MK08862)

Samples Quantity : 2 style (s) x 1 piece(s)

	TEST ITEMS	SHARP POINT	SHARP EDGE
		(1500.48)	(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: 4 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: 4 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.

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v	esu	ltc.
1	COLL	115.

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	7.5	< 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

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 F963-16 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 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	8.0	< 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	18.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

Remark:

1. All concentrations expressed in milligrams per kilogram

2. "<" means "less than"

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TEST RESULTS

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:

Sample 2 Sample 3 Sample 4 Sample 5 Sample 6 <10.0 Total Lead <10.0 <10.0 219 <10.0 Sample 7 Sample 8 Sample 9 Sample 10 <10.0 <10.0 Total Lead <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:

Total Lead	<u>Sample 2</u> <10.0	<u>Sample 3</u> <10.0	<u>Sample 4</u> <10.0	<u>Sample 5</u> 21.9	<u>Sample 6</u> <10.0
Total Lead	Sample 7 <10.0	<u>Sample 8</u> <10.0	<u>Sample 9</u> <10.0	Sample 10 <10.0	

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

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CLIENT: Carpenters Manufactory Limited REPORT NO: C80121797
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi DATE: March 21, 2017

Town, DongGuan City, Guang Dong, China

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:

 Sample 2
 Sample 3
 Sample 4
 Sample 5
 Sample 6

 Total Lead
 <10.0</td>
 <10.0</td>
 21.9
 <10.0</td>

<u>Sample 7</u> <u>Sample 8</u> <u>Sample 9</u> <u>Sample 10</u> Total Lead <10.0 <10.0 <10.0 <10.0

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

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:

<u>Sample 12</u> <u>Sample 13/14/15</u> <u>Sample 16</u> <u>Sample 17</u> Total Lead <10.0 <10.0 <10.0 <10.0

Sample 18

Total Lead <10.0

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

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ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi DATE: March 21, 2017

Town, DongGuan City, Guang Dong, China

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:

<u>Sample 12</u> <u>Sample 13/14/15</u> <u>Sample 16</u> <u>Sample 17</u> Total Lead <10.0 <10.0 <10.0 <10.0

Sample 18

Total Lead <10.0

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

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CLIENT: Carpenters Manufactory Limited REPORT NO: C80121797

ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi DATE: March 21, 2017

Town, DongGuan City, Guang Dong, China

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 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 16	ND	ND	ND	ND	ND	ND
Sample 17	ND	ND	ND	ND	ND	ND
Sample 18	ND	ND	ND	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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Town, DongGuan City, Guang Dong, China

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 2+ (MK09359/ MK09418)

Samples Quantity : 2 style (s) x 1 piece(s)

<u>Clause</u>	<u>Test Items</u>	<u>Assessment</u>
7	Small parts	P
9	Ends	P
11	Exposed Wooden Surfaces, Edges And Corners	P

Remark: P = Pass

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TEST RESULTS

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+ (MK09425/ MK08862)

Samples Quantity : 2 style (s) x 1 piece(s)

<u>Clause</u>	<u>Test Items</u>	<u>Assessment</u>
9	Ends	P
10	Exposed Plastic Parts	P
11	Exposed Wooden Surfaces, Edges And Corners	P
13	Fasteners	P
Damanla.	D. Dage	

Remark: P = Pass

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TEST RESULTS

2.2 FLAMMABILITY TEST

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 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:

	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	<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	<10.0	**N/D	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
Sample 5	21.9	**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

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

2.3.2 LEAD CONTENT IN PRODUCTS CONTACT WITH MOUTH

Criteria: The submitted sample shall meet Canada Consumer products containing lead (contact with

mouth) regulation and shall not contain total lead content greater than 90 mg/Kg,

Method: Reference to Canada Product safety reference manual, Book 5, Part B, Method C-02.3

Determination for total lead in polyvinyl by closed-vessel microwave digestion and following

by Atomic Absorption Spectrometry (AAS) analysis.

Results:

<u>Sample 17</u> <u>Sample 18</u> <u>Sample 22</u> <u>Sample 23</u> <u>Sample 24</u> Total Lead <10.0 <10.0 <10.0 <10.0

<u>Sample 25</u> <u>Sample 26</u> <u>Sample 27</u> <u>Sample 28</u> Total Lead <10.0 21.9 <10.0 <10.0

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

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TEST RESULTS

2.3.3 CHEMICAL TESTS:

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 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 16	ND	ND	ND	ND	ND	ND
Sample 17	ND	ND	ND	ND	ND	ND
Sample 18	ND	ND	ND	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 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 2+ (MK09395/ MK09418)

Samples Quantity : 2 style (s) x 1 piece(s)

<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
4.4	Small parts	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 RESULTS

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+ (MK09425/ MK08862)

Samples Quantity : 2 style (s) x 1 piece(s)

<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
4.10	Plastic film or plastic bags in packaging and in toys	P
4.31	Magnets and magnetic components	P
ANNEX B	Safety labeling guidelines and manufacturer's markings	P

Remark: P = Pass

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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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CLIENT: Carpenters Manufactory Limited REPORT NO: C80121797
ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi DATE: March 21, 2017

Town, DongGuan City, Guang Dong, China

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	< 6.0	< 6.0	< 6.0
Sample 5	< 6.0	< 2.5	< 6.0	< 6.0	< 6.0	7.5	< 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	8.0	< 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	18.0	< 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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Town, DongGuan City, Guang Dong, China

TEST RESULTS

3.3.2 DEHP Content

Criteria: Commonwealth of Australia Trade Practices Act 1974, Consumer Protection Notice No 6 of

2010 Special Gazette No S 19 (2 March 2010)

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

Results:

Limit Sample 17 Sample 18 Sample 23 Sample 24
Di (2-Ethylhexyl) Phthalate 1 % ND ND ND ND
(DEHP)

Limit Sample 25 Sample 26 Sample 27
Di (2-Ethylhexyl) Phthalate 1 % ND ND ND
(DEHP)

Remarks: 1) Detection Limit for each phthalate = 0.005%

2) ND= not detected

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ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi DATE: March 21, 2017

Town, DongGuan City, Guang Dong, China

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 2+ (MK09395/ MK09418)

Samples Quantity : 2 style (s) x 1 piece(s)

<u>Clause</u>	<u>Test Items</u>	<u>Assessment</u>
4.1	Material Cleanliness	P
4.7	Edges	P
4.8	Points and metallic wires	P
5.1	General Requirements – Toys intended for children under 36 months	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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CLIENT: Carpenters Manufactory Limited REPORT NO: C80121797

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Town, DongGuan City, Guang Dong, China

TEST RESULTS

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+ (MK09425/ MK08862)

Samples Quantity : 2 style (s) x 1 piece(s)

<u>Clause</u>	<u>Test Items</u>	<u>Assessment</u>
4.1	Material Cleanliness	P
4.7	Edges	P
4.8	Points and metallic wires	P
4.23	Magnets	P
6	Packaging	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 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):

Celluloid (cellulose nitrate), except when used in varnish, paint or glue, or in balls of Requirement:

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.

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

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ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi DATE: March 21, 2017

Town, DongGuan City, Guang Dong, China

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 ¹	<u>Limits</u>	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 ²	460	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI ²	0.2	$< 0.2^{\Delta}$				
Lead	160	6.0	< 5.0	< 5.0	7.5	< 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 ³	12					
(Expressed as						
TBT)						
Zinc	46,000	5850.0	6650.0	6500.0	6400.0	5550.0

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REPORT NO: C80121797

DATE:

ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi

March 21, 2017

Town, DongGuan City, Guang Dong, China

TEST RESULTS

Results:						
Elements ¹	<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 ²	460	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI ²	0.2	$< 0.2^{\Delta}$				
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	55.0	< 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 ³	12					
(Expressed as						
TBT)						
Zinc	46,000	5800.0	5250.0	6300.0	5800.0	< 50

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DATE: March 21, 2017

Town, DongGuan City, Guang Dong, China

TEST RESULTS

Results:						
Elements ¹	<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	8.0
Cadmium	17	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium III ²	460	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI ²	0.2	$< 0.2^{\Delta}$				
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	9.0
Nickel	930	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Strontium	56,000	8.5	< 5.0	< 5.0	< 5.0	70.0
Tin	180,000	<4.0	<4.0	<4.0	<4.0	<4.0
Organic Tin ³	12					
(Expressed as						
TBT)						
Zinc	46,000	< 50	< 50	< 50	< 50	< 50

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Town, DongGuan City, Guang Dong, China

TEST RESULTS

Results:			
Elements ¹	<u>Limits</u>	Sample 17	Sample 18
	(Scraped off material)	-	-
Antimony	560	< 5.0	< 5.0
Arsenic	47	< 2.5	< 2.5
Barium	18750	< 5.0	18.0
Cadmium	17	< 5.0	< 5.0
Chromium III ²	460	< 0.2	< 0.2
Chromium VI ²	0.2	$< 0.2^{\Delta}$	$< 0.2^{\Delta}$
Lead	160	< 5.0	< 5.0
Mercury	94	< 5.0	< 5.0
Selenium	460	< 5.0	< 5.0
Aluminum	70,000	< 50	< 50
Boron	15,000	< 50	< 50
Cobalt	130	< 5.0	< 5.0
Copper	7700	< 50	< 50
Manganese	15,000	6.0	10.0
Nickel	930	< 5.0	< 5.0
Strontium	56,000	32.5	137.0
Tin	180,000	<4.0	<4.0
Organic Tin ³	12		
(Expressed as			
TBT)			
Zinc	46,000	< 50	< 50

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

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Town, DongGuan City, Guang Dong, China

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)
- 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 organicin, 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

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 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 13/14/15	< 5.0
Sample 16	< 5.0
Sample 17	< 5.0
Sample 18	< 5.0
Sample 19	< 5.0
Sample 20/1	< 5.0
Sample 21	< 5.0

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

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CLIENT: Carpenters Manufactory Limited REPORT NO: C80121797

ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi DATE: March 21, 2017

Town, DongGuan City, Guang Dong, China

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 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 13/14/15	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			
Sample 20/1	ND	ND	ND			
Sample 21	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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ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi DATE: March 21, 2017

Town, DongGuan City, Guang Dong, China

TEST RESULTS

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Sample 1	=	Coffee color foam with adhesive (back of compass of MK08862) (inaccessible)
Sample 2	=	Bright red coating (logo of all styles, blocks of MK09425 & MK09395 & MK09418,
		pattern on board & magnet of MK08862) (A1Y)
Sample 3	=	Dark yellow coating (blocks of MK09425 & MK09395 & MK09418) (A4Y)
Sample 4	=	Dark green coating (logo of all styles, blocks of MK09425 & MK09395, pattern on board of MK08862) (A5Y)
Sample 5	=	Dark blue coating (blocks of MK09425 & MK09395 & MK09418, pattern on board & magnet of MK08862) (A7Y)
Sample 6	=	White coating (blocks of MK09425, lettering on board & magnet of MK08862) (A16Y)
Sample 7	=	Black coating (blocks of MK09425) (A19Y)
Sample 8	=	Clear lacquer (board & frame of mirror & blocks of MK09425, board of MK08862,
r		board & blocks of MK09395, board of MK09418) (A21Y)
Sample 9	=	Light blue coating (pattern on board of MK08862) (A8Y)
Sample 10	=	Grey coating (pattern on board & magnet of MK08862) (A15Y)
Sample 11	=	Brown wood excluding coatings (board & frame of mirror & blocks of MK09425,
-		compass & magnet of MK08862, blocks of MK09395 & MK09418)
Sample 12	=	Beige plywood excluding coatings (board of MK08862 & MK09395 & MK09418)
Sample 13	=	Transparent plastic (mirror of MK09425)
Sample 14	=	Transparent plastic (window on board of MK08862)
Sample 15	=	Transparent plastic (cover of compass of MK08862)
Sample 16	=	White paper label with transparent plastic film and multicolor printings (sticker on board of MK08862)
Sample 17	=	White paper label with transparent plastic film and multicolor printings (sticker on board of MK09395)
Sample 18	=	White paper label with transparent plastic film and yellow/dark blue/red printings (sticker on board of MK09418)
Sample 19	=	White/silvery coatings (back of mirror of MK09425) (inaccessible)
Sample 20	=	Transparent dry glue (back of mirror of MK09425) (inaccessible)
Sample 21	=	Black plastic with white/green/red coatings (ruling & pin inside of compass of
•		MK08862) (inaccessible)
Sample 22	=	Beige plywood excluding coatings (board of MK09395 & MK09418)
Sample 23	=	Bright red coating (logo & blocks of MK09395 & MK09418) (A1Y)
Sample 24	=	Dark yellow coating (blocks of MK09395 & MK09418) (A4Y)
Sample 25	=	Dark green coating (logo & blocks of MK09395) (A5Y)
Sample 26	=	Dark blue coating (blocks of MK09395 & MK09418) (A7Y)
Sample 27	=	Clear lacquer (board & blocks of MK09395, board of MK09418) (A21Y)
Sample 28	=	Brown wood excluding coatings (blocks of MK09395 & MK09418)

Date(s) of test(s) conducted: February 22, 2017 to March 20, 2017

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CLIENT: Carpenters Manufactory Limited

REPORT NO: C80121797

ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi

March 21, 2017

Town, DongGuan City, Guang Dong, China

Product Photo:





DATE:





****** THE END ******

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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.-Sherzhen 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 ULVS The Customer agrees that this term shall be construed as a provision of the agreement between ULVS and lisef, based on the full and complete understanding of the wording and legal significance of this term.

Z 为材料用得到客户经验证明的转换可以提供更加的转换可以提供更加的转换的模型。

COMPUTATION OF CHARGES AND PAYMENT 第一条 费用计算和付款

ベ用サチ水小数(a) Consulting time shall be charged on a daily basis.

咨询时间应当以日为基础计费。

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- (b) unless otherwise agreed in writing, payment is to be made within 7 days from the date of Invoice or the date of the Debit Note; 除半另有书面约定,付款应当在开身发票或付款通知日之后的 7 天内做出:
- where the Customer fails to pay within time, U.V. 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 monthly (c)

ENTIAL TREATMENT OF INCORMATION

信息的保密处理

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PATENT RIGHTS 第三条 专利权利

- verview. wention made in the performance of work for the Customer by UL VS within the field of work undertaken for the Customer, belongs to the Customer. 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。
- 3.2 UL VS's use of the aforesaid inventions shall be free of any royally 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。

Tary lability on the part of UL VS shall arise (whether under the express or implied terms hereof 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 negligence 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, tort or infringement and the said limitation of liability shall apply regardless of the form of action, whether in contract, tort or otherwise. In no vent shall UL VS be leable for incidental or 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 compensation and shall not raise any further claim against UL VS beyond such amount. — In Posswellent CA photology and the CAP possure of the CAP possure of

第五条 补偿

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 leability, action, claim, demand, costs, charges and expenses arising there from or expense including solicitors fees, counsel's fees in defending such action <u>Producted Always</u> that the Customer will all its own election either effect any settlement or compromise or at its own expenses defend any such action or proceeding and the Customer shall pay the costs of any settlement or compromise effects.

若有与之外代表中分所采息组织多种代,或争中的任何产品或商标或各种报告的工作,这个专业工作,或者或和任何专作工作,是用设计,商标或简单的提及严明,甲方应当翰格之方,以使其免受任何因此简产生的责任、诉讼、索赔请求、催告、开支、收费和费用或抗 押机等行为面处支持的费用。包括性何等的表现,用力应当翰格之方,以使其免受任何因此简产生的责任、诉讼、索赔请求、催告、开支、收费和费用或抗 押机等行为面处支持的费用。包括性何等的表现,用力应当翰格之方,以使其免受任何因此简产生的责任、诉讼、索赔请求、催告、开支、收费和费用或抗 押机等行为面处支持的费用,包括性何等。则用力应当之数类的行动的费用。

SOLICITATION OF EMPLOYEES

보**以가 6명** 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 obta 双方同意除非得到事先书面同意,任何一方均不得引诱雇佣或聘用另一方的雇员。

無以中的來刀The accompanying proposal is vaild 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.

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DATA AND DOCUMENT RETENTION 第八条 数据和文件保留

(b)

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、解释和账件。

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MISCELLANEOUS PROVISIONS

第十三条 其他規定

Rest.
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13.2

13.3

13.4 13.5

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