



TEST REPORT

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

REPORT NO:

C81051571 October 22, 2015

TEST METHOD & RESULTS:	Please refer to next page(s)
Date(s) of samples received:	March 26, 2015 (p.m.)
Country of Origin:	China
Destination:	Global
Labeled Age Grading:	Ages 2Y+
P.O. No.:	Not provided
Style/Item No.:	MK00613
Buyer:	Not provided
Supplier:	Carpenters Manufactory Limited
Quantity Submitted:	2 pieces
Sample Description:	Animal Shape Sorting Board
Attn:	Kelly Xiong

CONCLUSION: Please refer to page two(2)

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or LET TERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the ULStomer to whom they are addressed. No quotation from reports / Certificates or use of the ULVS is expresses written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS on or relieve sellers / suppliers from their contractual responsibilities with regard to the quality / quantity of the goods in delivery nor do they prejudice the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's rame to resting or audit. The liability of UL VS to the Customer is notificate, tor (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





CLIENT:	Carpenters Manufactory Limited	REPORT NO:	C81051571
ADDRESS:	Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi	DATE:	October 22, 2015
	Town, DongGuan City, Guang Dong, China		

CONCLUSION:

ASTM F963-11 Physical & Mechanical Requirements 16 CFR 1500&1501 Physical & Mechanical Requirements Canada Toys Regulations SOR/2011-17 Physical and Mechanical Requirements EN 71-1:2014 Mechanical & Physical Properties ASTM F963-11 Flammability Requirements	PASS ^{#6} PASS ^{#6} PASS ^{#6} PASS ^{#6} PASS ^{#6}
16 CFR 1500.3 (c)(6) (vi) / 16 CFR 1500.44 Flammability Requirements Canada Toys Regulations SOR/2011-17 Flammability Requirements	PASS ^{#6} PASS ^{#6}
(Cellulose Nitrate and Celluloid)	1 455
EN 71-2:2011 + A1:2014 Flammability	PASS ^{#6}
ASTM F963-11 Clause 4.3.5.1 (2) Elements Migration in Surface Coating	PASS ^{#2, 4, 6}
ASTM F963-11 Clause 4.3.5.2 (2) (b) Elements Migration in Substrate	PASS ^{#6}
Canada Toys Regulations SOR/2011-17 Heavy Metal Content Requirements	PASS ^{#1, 5, 6}
EN 71-3:2013+A1:2014 Migration of Certain Elements	$PASS^{#2, 4, 6}$
ASTM F963-11 Clause 4.3.5.1 (1) Total Lead in Surface Coating	PASS ^{#1, 5, 6}
16 CFR 1303 Total Lead Content Requirements	$PASS^{\#1, 5, 6}$
Consumer Product Safety Improvement Act of 2008 Total Lead Content	PASS ^{#1, 5, 6}
Requirement [Paint or Surface Coating]	
ASTM F963-11 Clause 4.3.5.2 (2) (a) Total Lead in Substrate	PASS ^{#6}
Consumer Product Safety Improvement Act of 2008 Total Lead Content Requirement [Substrate Materials]	PASS ^{#6}
Canada Consumer Products Containing Lead (Contact mouth) Regulation	PASS ^{#6}
ASTM F963-11 Clause 4.3.5.2 (2) (c) Soluble Cadmium in metallic Small Part	NOT APPLICABLE ^{#3, 6}
Total Cadmium Content and European Reach Regulation Annex XVII	PASS ^{#2, 4, 6}
Consumer Product Safety Improvement Act of 2008 Total Phthalate Requirement	PASS ^{#2, 4.6}
Canada Phthalates Regulation SOR/2010-298 Phthalates Content Requirements	PASS ^{#2, 4.6}
Total Phthalate Content European Reach Regulation Annex XVII	PASS ^{#2, 4.6}
Azo Dyes Test and European Reach Regulation Annex XVII	NOT APPLICABLE ^{#3.6}
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 ^{#2, 4}
DEHP requirement per Australia Government	PASS ^{#2, 4}

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the quality of the goods in delivery nor do they prejudice the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers of study or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





CLIENT:Carpenters Manufactory LimitedREPORT NO:C81051571ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:October 22, 2015Town, DongGuan City, Guang Dong, ChinaDATE:October 22, 2015

#1: As claimed by client, the sample 3, 4, 5, 6, 7, 8, 9, 10, 11 listed in the report is identical with the one in report C80781476. The test data of sample 3, 4, 5, 6, 7, 8, 9, 10, 11 in the report was referred from report C80781476 issued on October 23, 2014.

#2: As claimed by client, the sample 3, 4, 5, 6, 7, 8, 9, 10, 11 listed in the report is identical with the one in report C80781475. The test data of sample 3, 4, 5, 6, 7, 8, 9, 10, 11 in the report was referred from report C80781475 issued on November 6, 2014

#3: There is no component on the submitted test samples under the testing scopes.

#4: As claimed by client, the sample 2 listed in the report is identical with the one in report C80861485. The test data of sample 2 in the report was referred from report C80861485 issued on November 20, 2014.

#5: As claimed by client, the sample 2 listed in the report is identical with the one in report C80861489. The test data of sample 2 in the report was referred from report C80861489 issued on November 20, 2014.

#6: As per client's request, the test results refer to the ones in previous report C80221524 issued on April 11, 2015

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

enon

Benson Ye Assistant Laboratory Manager – Toys Department

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

and te

Ms. Carol Ke Laboratory manager-Chemical Department

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed indencial or similar materials, products or processes. Reports / Certificates of UL VS's do not relieve sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





CLIENT:Carpenters Manufactory LimitedREPORT NO:C81051571ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:October 22, 2015Town, DongGuan City, Guang Dong, ChinaDATE:October 22, 2015

TEST RESULTS

1. MECHANICAL AND PHYSICAL TEST

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 2 years+Samples Quantity: 1 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
4.9	Accessible Points	Р
5	Safety Labeling Requirements	Р
6	Instructional Literature	Р
7	Producer's Markings	Р

Remark: P = Pass

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed indencial or similar materials, products or processes. Reports / Certificates of UL VS's do not relieve sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





CLIENT:Carpenters Manufactory LimitedREPORT NO:C81051571ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:October 22, 2015Town, DongGuan City, Guang Dong, ChinaDATE:October 22, 2015

TEST RESULTS

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

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

Remark: P = Pass

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed indencial or similar materials, products or processes. Reports / Certificates of UL VS's do not relieve sellers / suppliers form their contractual responsibilities with regard to the quality / quantity of the goods in delivery nor do they prejudice the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





CLIENT:Carpenters Manufactory LimitedREPORT NO:C81051571ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:October 22, 2015Town, DongGuan City, Guang Dong, ChinaDATE:October 22, 2015

TEST RESULTS

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

The following clauses are identified to be applicable:					
Age grading for testing	: Ages 2 years+				
Samples Quantity	: 1 style (s) x 1 piece(s)				

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

Remark: P = Pass

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes (Septents / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed responsibilities with regard to the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's not not eleve sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





CLIENT:Carpenters Manufactory LimitedREPORT NO:C81051571ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:October 22, 2015Town, DongGuan City, Guang Dong, ChinaDATE:October 22, 2015

TEST RESULTS

1.4 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 2+Samples Quantity: 1 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
ANNEX B	Safety labelling guidelines and manufacturer's markings	Р
	· · · · · ·	

Remark: P = Pass

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed indencial or similar materials, products or processes. Reports / Certificates of UL VS's do not relieve sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





CLIENT:Carpenters Manufactory LimitedREPORT NO:C81051571ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:October 22, 2015Town, DongGuan City, Guang Dong, ChinaDATE:October 22, 2015

TEST RESULTS

1.5 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 years+				
Samples Quantity	: 1 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
5.1	General Requirements – Toys intended for children under 36 months	Р

Remark: P = Pass

Name and address of manufacturer or his authorized representative or importer into the community should be affixed on the toy and its packaging.

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.

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed indencial or similar materials, products or processes. Reports / Certificates of UL VS's do not relieve sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





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

REPORT NO:

C81051571 October 22, 2015

TEST RESULTS

2. FLAMMABILITY TEST

AS ASTM STANDARD ON SAFETY OF TOYS F963-11 ANNEX A5: 2.1

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.

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.

AS PER CANADA TOYS REGULATIONS SOR/2011-17 SECTION 21 2.3 (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.

AS PER AUSTRALIAN/NEW ZEALAND STANDARD ON SAFETY OF TOYS AS/NZS ISO 2.4 8124.2:2009 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.

AS PER EUROPEAN STANDARD ON SAFETY OF TOYS EN 71-2:2011+ A1:2014 2.5 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.

March 26, 2015 to October 19, 2015 Date(s) of test(s) conducted:

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or LET TERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the ULS consomer to whom they are addressed. No quotation from reports / Certificates of uL VS are the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS do not relieve sellers / suppliers from their contractual responsibilities with regard to the quality / quantity of the goods in delivery nor do they prejudice the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's rames, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific materials, products or processer.





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

REPORT NO:

C81051571 October 22, 2015

TEST RESULTS

3. **CHEMICAL TESTS:**

Key to sample(s):

Sample 1	=	White paper label with transparent plastic film and inaccessible coatings (sticker of board)
Sample 2	=	Orange-red coating on wood/plywood (A1Y) (elephant, logo of board)
Sample 3	=	Orange coating on wood (A2Y) (kangaroo)
Sample 4	=	Light yellow coating of wood (A3Y) (duck)
Sample 5	=	Dark green coating of wood (A5Y) (frog, logo of board)
Sample 6	=	Light green coating on wood/ plywood (A6Y) (tortoise)
Sample 7	=	Dark blue coating on wood (A7Y) (whale)
Sample 8	=	Light blue coating on wood (A8Y) (dolphin)
Sample 9	=	Light brown coating on wood (A9Y) (alligator)
Sample 10	=	White coating on wood (A16Y) (sheep, lettering of animals)
Sample 11	=	Clear lacquer coating on plywood(A21Y) (board)
Sample 12	=	Beige plywood excluding coatings (board)
Sample 13	=	Brown wood excluding coatings (animals)

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or LET TERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the ULStomer to whom they are addressed. No quotation from reports / Certificates or use of the ULVS is expresses written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS on or relieve sellers / suppliers from their contractual responsibilities with regard to the quality / quantity of the goods in delivery nor do they prejudice the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's rame to resting or audit. The liability of UL VS to the Customer is notificate, tor (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





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

REPORT NO:

C81051571 October 22, 2015

TEST RESULTS

SOLUBLE ELEMENT MIGRATION IN SURFACE COATING 3.1

- 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	17.0	< 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	17.0	< 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

Remark:

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

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or LET TERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the ULStomer to whom they are addressed. No quotation from reports / Certificates or use of the ULVS is expresses written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS on or relieve sellers / suppliers from their contractual responsibilities with regard to the quality / quantity of the goods in delivery nor do they prejudice the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's rame to resting or audit. The liability of UL VS to the Customer is notificate, tor (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





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

REPORT NO:

C81051571 October 22, 2015

TEST RESULTS

SOLUBLE ELEMENT MIGRATION IN SUBSTRATES 3.2

- 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 1	< 6.0	<2.5	17.5	< 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	6.5	< 6.0	<6.0	< 6.0	< 6.0	< 6.0

Remark:

Docultor

1. All concentrations expressed in milligrams per kilogram

2. "<" means "less than"

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or LET TERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the ULStomer to whom they are addressed. No quotation from reports / Certificates or use of the ULVS is expresses written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS on or relieve sellers / suppliers from their contractual responsibilities with regard to the quality / quantity of the goods in delivery nor do they prejudice the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's rame to resting or audit. The liability of UL VS to the Customer is notificate, tor (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





C81051571

October 22, 2015

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

TEST RESULTS

-

1.

3.3 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:							
	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	<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

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

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes (Septents / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed responsibilities with regard to the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's not not eleve sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





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

O: C81051571 October 22, 2015

TEST RESULTS

а.

-

3.4 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 1	< 6.0	<2.5	17.5	< 6.0	< 6.0	< 6.0	<6.0	<6.0	
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	17.0	<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	17.0	<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	6.5	< 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.

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed indencial or similar materials, products or processes. Reports / Certificates of UL VS's do not relieve sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





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

REPORT NO:

C81051571 October 22, 2015

TEST RESULTS

3.5 **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 1	Sample 2	Sample 3	Sample 4	Sample 5
	(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	17.5	< 5.0	< 5.0	17.0	< 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	${<}0.2^{\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	$< 0.2^{\Delta}$	${<}0.2^{\Delta}$
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	112.5	54.0
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	10.5	< 5.0	< 5.0	< 5.0	< 5.0
Nickel	930	<5.0	< 5.0	< 5.0	< 5.0	< 5.0
Strontium	56,000	98.5	< 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	<50	<50	<50	<50	<50

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or LET TERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the ULStomer to whom they are addressed. No quotation from reports / Certificates or use of the ULVS is expresses written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS on or relieve sellers / suppliers from their contractual responsibilities with regard to the quality / quantity of the goods in delivery nor do they prejudice the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's rame to resting or audit. The liability of UL VS to the Customer is notificate, tor (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





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

C81051571 October 22, 2015

TEST RESULTS

Results:						
Elements ¹	<u>Limits</u>	Sample 6	Sample 7	Sample 8	Sample 9	Sample 10
	(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	17.0	<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	${<}0.2^{\Delta}$	$< 0.2^{\Delta}$	${<}0.2^{\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$
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	59.5	<50	<50	52.5	141.5
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	<50	<50	<50	<50	<50
	-,					

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or LET TERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the ULStomer to whom they are addressed. No quotation from reports / Certificates or use of the ULVS is expresses written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS on or relieve sellers / suppliers from their contractual responsibilities with regard to the quality / quantity of the goods in delivery nor do they prejudice the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's rame to resting or audit. The liability of UL VS to the Customer is notificate, tor (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





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

REPORT NO:

C81051571 October 22, 2015

TEST RESULTS

Results:				
Elements ¹	<u>Limits</u>	Sample 11	Sample 12	Sample 13
	(Scraped off material)	_	_	_
Antimony	560	<5.0	<5.0	< 5.0
Arsenic	47	<2.5	<2.5	<2.5
Barium	18750	< 5.0	< 5.0	6.5
Cadmium	17	< 5.0	< 5.0	< 5.0
Chromium III ²	460	< 0.2	0.845	< 0.2
Chromium VI ²	0.2	${<}0.2^{\scriptscriptstyle\Delta}$	< 0.2	${<}0.2^{\Delta}$
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	155.0	<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	6.0	27.5
Nickel	930	< 5.0	< 5.0	< 5.0
Strontium	56,000	< 5.0	7.5	< 5.0
Tin	180,000	<4.0	<4.0	<4.0
Organic Tin ³	12			
(Expressed as				
TBT)				
Zinc	46,000	<50	65.0	<50

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

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes (Septents / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed responsibilities with regard to the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's not not eleve sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





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

REPORT NO:

C81051571 October 22, 2015

TEST RESULTS

REMARK:

- Heavy Metals Content are Determined by ICP-MS (Induced Couple Plasma Mass Spectrometry)/ 1. 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 2. 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
- If the Organic Tin content of the tested sample projected by the tin content does not exceed the limit 3. 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
- Δ : Chromium VI data is based on total Chromium 4.

3.6 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>
	<10.0	<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

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

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or LET TERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the ULS consomer to whom they are addressed. No quotation from reports / Certificates of uL VS are the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS do not relieve sellers / suppliers from their contractual responsibilities with regard to the quality / quantity of the goods in delivery nor do they prejudice the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's rames, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific materials, products or processer.





CLIENT:Carpenters Manufactory LimitedREPORT NO:C81051571ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:October 22, 2015Town, DongGuan City, Guang Dong, ChinaDATE:October 22, 2015

TEST RESULTS

3.7 TOTAL LEAD CONTENT TEST: WET-ASHING DIGESTION AND DETECTED WITH AAS/ICP

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>	<u>Sample 3</u>	<u>Sample 4</u>	<u>Sample 5</u>	<u>Sample 6</u>
	<10.0	<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

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

3.8 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>
	<10.0	<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

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

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed indencial or similar materials, products or processes. Reports / Certificates of UL VS's do not relieve sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





CLIENT:Carpenters Manufactory LimitedREPORT NO:C81051571ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:October 22, 2015Town, DongGuan City, Guang Dong, ChinaDATE:October 22, 2015

TEST RESULTS

3.9 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:

Total Lead

Sample 1	Sample 12
<10.0	<10.0

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

3.10 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:

Sample 1Sample 12Total Lead<10.0</td><10.0</td>

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

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed indencial or similar materials, products or processes. Reports / Certificates of UL VS's do not relieve sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





CLIENT:Carpenters Manufactory LimitedREPORT NO:C81051571ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:October 22, 2015Town, DongGuan City, Guang Dong, ChinaDATE:October 22, 2015

TEST RESULTS

3.11 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:	Determination for	2	nyl by closed-ves	Book 5, Part B, Method C-02.3 sel microwave digestion and following	
Results :					
Total Lead	<u>Sample 1</u> <10.0	<u>Sample 12</u> <10.0	<u>Sample 13</u> <10.0		

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

3.12 TOTAL CADMIUM CONTENT AND EUROPEAN REACH REGULATION ANNEX XVII: WET-ASHING 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	< 5.0
Sample 7	< 5.0
Sample 8	< 5.0
Sample 9	< 5.0
Sample 10	<5.0
Sample 11	<5.0

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

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed indencial or similar materials, products or processes. Reports / Certificates of UL VS's do not relieve sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





CLIENT:Carpenters Manufactory LimitedREPORT NO:C81051571ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:October 22, 2015Town, DongGuan City, Guang Dong, ChinaOctober 22, 2015October 22, 2015

TEST RESULTS

3.13 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

:

Results

Sample ID

Plasticiser Values (w/w)

	DBP	BBP	DEHP	DNOP	DINP	DIDP
Sample 1	ND	ND	ND	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

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

phthalates.

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

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed responsibilities with regard to the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's not not eliver sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





CLIENT:Carpenters Manufactory LimitedREPORT NO:C81051571ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:October 22, 2015Town, DongGuan City, Guang Dong, ChinaDATE:October 22, 2015

TEST RESULTS

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

Requirement : 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 1	ND	ND	ND	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
Remarks:	 Detection Limit ND= not detected 	-	llate = 0.005%			

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

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed indencial or similar materials, products or processes. Reports / Certificates of UL VS's do not relieve sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





CLIENT:Carpenters Manufactory LimitedREPORT NO:C81051571ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:October 22, 2015Town, DongGuan City, Guang Dong, ChinaDATE:October 22, 2015

TEST RESULTS

3.15 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 :

Di (2-Ethylhexyl) Phthalate	<u>Limit</u>	Sample 1	Sample 2	Sample 3	Sample 4
(DEHP)	1 %	ND	ND	ND	ND
Di (2-Ethylhexyl) Phthalate	<u>Limit</u>	Sample 5	Sample 6	Sample 7	Sample 8
(DEHP)	1 %	ND	ND	ND	ND
Di (2-Ethylhexyl) Phthalate	<u>Limit</u>	<u>Sample 9</u>	Sample 10	Sample 11	
(DEHP)	1 %	ND	ND	ND	

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

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or use of the UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS's name is permitted except by UL VS's express written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed indencial or similar materials, products or processes. Reports / Certificates of UL VS's do not relieve sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's random inspection or testing or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific Work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





CLIENT: Carpenters Manufactory Limited **REPORT NO:** C81051571 ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi October 22, 2015 DATE: Town, DongGuan City, Guang Dong, China

TEST RESULTS

TOTAL PHTHALATE TEST AND EUROPEAN REACH REGULATION ANNEX XVII 3.16

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	:	cindren article that can be placed in the mouth by cindren.

Results

Sample ID)	Plasticiser Values (w/w)						
•	DBP	BBP	DEHP	DNOP	DINP	DIDP		
Sample 1	ND	ND	ND	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		
Remarks:	1) Detection Limit	for each phtha	alate = 0.005%					

2) ND = not detected

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

Date(s) of test(s) conducted:

March 29, 2015 to April 1, 2015

This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or LET TERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the ULStomer to whom they are addressed. No quotation from reports / Certificates or use of the ULVS is expresses written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS on or relieve sellers / suppliers from their contractual responsibilities with regard to the quality / quantity of the goods in delivery nor do they prejudice the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects not detected during UL VS's rame to resting or audit. The liability of UL VS to the Customer is notificate, tor (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.





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

REPORT NO:

C81051571 October 22, 2015

Product Photo:





This letter / report / certificate shall not be reproduced (except in full version) without the written approval of UL VS Shanghai Limited Shenzhen Branch. ("UL VS")

LETTERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the Customer to whom they are addressed. No quotation from reports / certificates or LET TERS / REPORTS / CERTIFICATES: Letters / Reports / Certificates of UL VS are issued for the exclusive use of the ULStomer to whom they are addressed. No quotation from reports / Certificates or use of the ULVS is expresses written authorization. Letters / reports / certificates apply only to the specific materials, products or processes tested, examined or surveyed and are not necessarily indicative of the qualities of apparently identical or similar materials, products or processes. Reports / Certificates of UL VS on or relieve sellers / suppliers from their contractual responsibilities with regard to the quality / quantity of the goods in delivery nor do they prejudice the Customer's right to claim against sellers / suppliers for compensation for any apparent and/or hidden defects on detected during UL VS's rame to resting or audit. The liability of UL VS to the Customer in contract, tort (including negligence or breach of statutory duty) or howsoever, and whatever the cause thereof, (a) for any loss of profit, business, contracts, revenues, or anticipating savings; or (b) for any special indirect or consequential damage of any nature whatsoever, shall be limited to the amount of the fee paid in respect of the specific work(s) which give rise to such claim. For Reports / Certificates, see reverse for Terms and Conditions of Service.

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。

- 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作用手经费。
- 1.3
- 1.4
- 1.5
- 为中方面产生的开发如与服务直接相关的通讯、交通、差集、购先任有原料、工具、设备、零件集集件的费用。应当接成有师方计费、且应包含一笔由乙方按定的合理手续费。 Where in the option of 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. 当乙方解服务务指称无量时间,与我使用务装置多或支出时,对中方以所定做的 "交基一小时" 为基础收取费用. 中方数量与乙方指在违以人民币方式文付,或常用器乙方可以随时发发的关键方或头包方式发行,以服务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 -中方数量在本质及存装制用 --() to purchash pay all blingeneteded to the customer from time to time; () to purchash pay all blingeneteded to the customer from time to time; () to purchash pay all blingeneteded to the customer from time to time; () to purchash pay all blingeneteded to the customer from time to time; () to purchash pay all blingeneteded to the customer from time to time; () to purchash pay all blingeneteded to the customer from time to time; () to purchash pay all blingeneteded to the customer from time to the date of Invoice or the date of the Debit Note; (%基均有量形式 力量之并且及要点付着透明之后的子关键的,是有力和微微。 () there is the force if alls 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 TREAT INFO UP INFORMATION

 H A BARGHAD

 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.

 R## 双方向 打得物預約定, 由 C 方向 甲方提供用服务应当室立在 不择他的和删除与前品确之上.
 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 all all times use all reasonable efforts to prevent the disclosure to thim parties of any part theored unless UL VS shall have first obtained the written consent of the Customer specifically authorizing such disclosure PROVIDED ALWAYS AND IT IS MUTUALLY
 AGREED that the confidentially shall extend for a period of five (5) years from the date of completion of its work and provided by the Customer, or the information is accessary for performance by UL VS und real and the subgreent of the disclosure PROVIDED ALWAYS AND IT IS MUTUALLY
 AGREED that the confidentially shall extend for a period of five (5) years from the date of completion of its work and provided by the Customer, or the information is accessary for performance by UL VS under the Agreement and to UL VS, or its independently developed by UL VS without recourse to the materials provided by the Customer, or the information is accessary for performance by UL VS the information is accessary for performance or by UL VS and the Customer shall be accordance with a pudgment or writ issued by a
 Convery majerial is more accessary for performance by UL VS in the first shall be accordance with a pudgment or writ issued by a
 Convery majerial is accessary and the date of complexity approxement and the provided by the Customer shall be accordance with a pudgment or writ issued by a
 Convery majerial is accessary and the date of complexity approxement and the date provided by the Customer shall be the daternation is ne 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

1.6

- 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。
- 32

LIMITATION OF LIABILITY 第四条 责任限制

#在新制 If any lability on the part of UL VS shall arise (whether under the express or implied 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@RdVaffC (Cibe@RdVaffAct (Cibe@RdVAFAbVmText)EqL) urp.zetMetin 2.7mm/setMetin 2.7mm/setMeti

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, demnand, costs, hardes 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 Br

SOLICITATION OF EMPLOYEES 第六条 雇员引诱

ーメージ 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费用另一方的雇员。

EFFECT OF PROPOSAL 第七条 建议书的效力

■本 FFIXの
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 writine 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. 所用之规认书。 能非自己方书面延展,其有效期为建设书出其之日起九十(90)日。一旦接受此建设书,本带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以头或书面协议。本文中的条款和条件应当适用于,且取代中方提交的任何文件中所包含的任何与之 机冲的终端。

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

- (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(*文教文件**)的复印件. Unless otherwise specified or required by the applicable law, all Supporting Documents lower 3 years are scheduled to be destroyed, UL VS shall give the Customer at base specified or required by the applicable law, all Supporting Documents lower 3 years are scheduled to be destroyed, UL VS shall give the Customer at base specified or required by the applicable law, all Supporting Documents lower 3 years are scheduled to be destroyed, UL VS shall give the Customer at law for expected by the state of the Supporting Documents. Unless the Supporting Documents. Unless the Supporting Documents law and the state of the

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 shall components to compressate for such losses and damages. 者甲方意变更本的成了方包托信用上作,也完变更或新交付的工作用的出现力力分在任用其他工作。此气变更或新交付的工作用当由成为方量或指数的工作。而导致乙方进受工任得很大或指答。甲方应该赔偿法等很大和情况。 If the work undertaken by UL VS hereunder requires any assistance of the Customer shall be obliged to the work, the Customer shall component of the work work undertaken by UL VS hereunder requires any assistance of the Customer shall be obliged to the work undertaken by UL VS hereunder requires any assistance of the Customer shall be obliged to the to provide all necessary and reasonable assistance which UL VS may deem fit. If the work undertaken by UL VS hereunder counter soligation within a reasonable partied to the meant may appropriately extend the time limit for its own work. If upon the expiration of such reasonable time period the Customer sill fails to period the assist unce VS may deement, without prejudce to any other rights of UL VS hereunder counter any applicable laws and regulations. 者市设有定于方所承担的工作需要求了的结构。用于有了 么多根成方式和交合运作用在资源者合理的合成。在资源和合业和period the Qustomer sill fails to period the Customer sill fails to period the Customer sill fails to period the Customer sill fails to period and regulations. 者本协议有了方式 经常用实行的结构。用于有了 么多根成方式和分支后的有代表的合成的代表者和全自我的合成。在前于中方来能服得其协助义务再使本协议中乙方所承担的工作无法完成。乙方可以终止本协议,且不影响我都不能改变的问题,并且不同意和全自我的情况。并且一下有关证明的情况。 10.2

SAMPLES 第十一条 样品

MISCELLANEOUS PROVISIONS 第十三条 其他规定

- LANE Case SP OVISIONS

 * **ABUR**Any provision of this Agreement prohibited by orregarded as unlaful 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 ineffectives 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 ineffectives so far as is possible agreement enforceable in accordance with is terms.

 Ref of \$\mathbf{R}\$ disk, Enf\(\mathbf{E}\mathb
- 13.2
- 13.3
- 13.4
- 13.5