



# TEST REPORT

Report No. 010224010021R1

DATED: 23 JANUARY 2025

**Client** : PLAN CREATIONS CO., LTD.  
8 MOO 8, TRANG-PALIAN RD.,  
YANTAKAO, TRANG 92140 THAILAND

**Buyer** : /

**Sample Description** : RAIN MAKER

**Item No.** : 6427

**SKU No.** : /

**Model / Style** : /

**Client Specified Age Grade** : 12M+

**Manufacturer** : /

**Country of Origin** : THAILAND

**Country of Destination** : /

**Test Sample Received** : RECEIVED ON 09/04/2024

**Test Period** : FROM 09/04/2024 TO 17/04/2024

*\*Report was revised and shall supersede Report # 010224010021, dated 17 April 2024.*

TEST REQUESTED	CONCLUSION	REMARK
ASTM F963-23 – STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY (MECHANICAL AND PHYSICAL PROPERTIES)	PASS	-
ASTM F963-23 – STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY (FLAMMABILITY)	PASS	-
CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 SECTION 101 (A)/ 15 U.S.C 1278A – TOTAL LEAD IN SUBSTRATE	PASS	-
CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 SECTION 101 (F)/ 16 CFR PART 1303 – TOTAL LEAD IN SURFACE COATING	PASS	-
ILCS 410 ILCS 45 LEAD POISONING PREVENTION ACT SEC. 6(B) CHILDREN'S PRODUCTS (ILLINOIS)	PASS	-
ASTM F963-23 – STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY (SOLUBLE HEAVY METAL CONTENT)	PASS	-
CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 SECTION 108/ 16 CFR PART 1307 - PHTHALATES	PASS	-
CALIFORNIA PROPOSITION 65 – PHTHALATE CONTENT	PASS	-

**GIC Testing & Inspection Services Pte Ltd**

158 Kallang Way #08-01  
Singapore 349245



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## Remark:

1. The sample is tested "12M+" as per client requested.
2. The Labeled Age Grade is 12M+.

For technical enquiries or any other concerns,  
please contact:

**GIC TESTING & INSPECTION SERVICES PTE LTD**

Tel: +65 6741 2260

Email: [services.sg@gicgrp.com](mailto:services.sg@gicgrp.com)

## PREPARED BY:

A handwritten signature in blue ink, appearing to read 'Wong Kok Leong', is placed over a white rectangular background.

**WONG KOK LEONG**

Laboratory Supervisor

## APPROVED BY:

A handwritten signature in blue ink, appearing to read 'Suzen Chong', is placed over a white rectangular background.

**SUZEN CHONG**

Senior Vice President

GICG - ENABLING TRUST IN A CHANGING WORLD

**SAMPLE PHOTO**



## SAMPLE PHOTO







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## REMARK:

As per customer request, results for chemical tests listed below were referenced from the corresponding reports, issued no more than 12 months prior to this report.

## Item Description: 6427 RAIN MAKER

### Components

#### ASTM F963-23 Soluble Heavy Metals

- |   |                                     | <u>Report Number</u> | <u>Date of Issue</u> |
|---|-------------------------------------|----------------------|----------------------|
| 1 | CLEAR COATING ON WOOD               | 010223060081         | 27-Jun-23            |
| 2 | COTTON FABRIC WITH MULTICOLOR PRINT | 010223120075         | 17-Jan-24            |

### Lead in Surface Coating

- |   |                       |              |           |
|---|-----------------------|--------------|-----------|
| 1 | CLEAR COATING ON WOOD | 010223060081 | 27-Jun-23 |
|---|-----------------------|--------------|-----------|

### Lead in Substrate

- |   |                                     |              |           |
|---|-------------------------------------|--------------|-----------|
| 1 | COTTON FABRIC WITH MULTICOLOR PRINT | 010223120075 | 17-Jan-24 |
|---|-------------------------------------|--------------|-----------|

### Phthalate Content

- |   |                       |              |           |
|---|-----------------------|--------------|-----------|
| 1 | CLEAR COATING ON WOOD | 010223060081 | 27-Jun-23 |
|---|-----------------------|--------------|-----------|

GICG - ENABLING TRUST IN A CHANGING WORLD



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## TEST RESULT(S):

### ASTM F963-23 – Standard Consumer Safety Specification for Toy Safety (Mechanical and Physical Properties)

Test Method : Reference to ASTM F963-23.

Clause	Requirement	Result
4.1	Material quality	M
4.2	Flammability	See Results
4.3	Toxicology	M 4.3.5.1 (1) & (2); 4.3.5.2 (2) a & b; 4.3.8
4.4	Electrical/Thermal Energy	NA
4.5	Sound-Producing Toys	See Results 4.5.1.2
4.6	Small Objects	M
4.7	Accessible Edges	M
4.8	Projections	NA
4.9	Accessible Points	M
4.10	Wires or Rods	NA
4.11	Nails and Fasteners	NA
4.12	Plastic Film	NA
4.13	Folding Mechanisms and Hinges	NA
4.14	Cords, Straps, and Elastics	NA
4.15	Stability and Over-Load Requirements	NA
4.16	Confined Spaces	NA
4.17	Wheels, Tires, and Axles	NA
4.18	Holes, Clearance, and Accessibility of Mechanisms	NA
4.19	Simulated Protective Devices	NA
4.20	Pacifiers	NA
4.21	Projectile Toys	NA
4.22	Teethers and Teething Toys	NA
4.23	Rattles	NA
4.24	Squeeze Toys	NA
4.25	Battery-Operated Toys	NA
4.26	Toys Intended to be Attached to a Crib or Playpen	NA
4.27	Stuffed and Beanbag-Type Toys	NA
4.28	Stroller and Carriage Toys	NA
4.29	Art Materials	NA
4.30	Toy Gun Marking	NA
4.31	Balloons	NA
4.32	Certain Toys with Nearly Spherical Ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	NA
4.37	Yo Yo Elastic Tether Toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding Materials	NA
4.41	Toy Chests	NA
5	Labeling Requirements	M
6	Instructional Literature	M
7	Producer's Markings	M

Note:

M = Meet

NR = Not Requested

NM = Not Meet

NT = Not Tested

NA = Not Applicable

NP = Not Present

R = Refer to Comment Section



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## TEST RESULT(S): (Continued)

### Sound-Producing Toys

Test Item(s)	6427 Rain Maker		
Clause 4.5.1.2	Permissible Limit	Unit	Result
A-weighted equivalent sound pressure level ( $L_{Aeq}$ )	85	dB	79
C-weighted peak emission sound pressure level ( $L_{Cpeak}$ )	115	dB	88
Conclusion	-	-	PASS

### Flammability For Solid/ Soft Toy

Test Method : Reference to ASTM F963-23 Annex A5

Test Item(s)	Item / Component Description(s)
1	6427 RAIN MAKER

Test Item(s)	Length of Major Axis (in)	Burn Length (in)	Burn Time (s)	Regulatory Limit (in/s)	Burn Rate (in/s)	Result
1	11.8	0	5	0.1	DNI	PASS
Conclusion	-	-	-	-	-	PASS

Note:

M = Meet

NR = Not Requested

NM = Not Meet

NT = Not Tested

NA = Not Applicable

NP = Not Present

R = Refer to Comment Section

DNI = Did Not Ignite



# Report No. 010224010021R1

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## TEST RESULT(S): (Continued)

### Consumer Product Safety Improvement Act Of 2008 Section 101 (a)/ 15 U.S.C 1278a – Total Lead In Substrate

**Test Method** : Reference to CPSC-CH-E1002-08.3 Analysis by ICP-MS.

Test Item(s)	Item / Component Description(s)
1	COTTON FABRIC WITH MULTICOLOR PRINT

Test Item(s)	Unit	Permissible Limit	Result
			1
Lead (Pb)	mg/kg	100	ND
<b>Conclusion</b>	-	-	<b>PASS</b>

Note:

- mg/kg = milligrams per kilogram
- ND = Not Detected
- Reporting limit (Each): 2 mg/kg

### Consumer Product Safety Improvement Act Of 2008 Section 101 (f)/ 16 CFR Part 1303 – Total Lead In Surface Coating

**Test Method** : Reference to CPSC-CH-E1003-09.1 Analysis by ICP-MS.

Test Item(s)	Item / Component Description(s)
1	CLEAR COATING ON WOOD

Test Item(s)	Unit	Permissible Limit	Result
			1
Lead (Pb)	mg/kg	90	ND
<b>Conclusion</b>	-	-	<b>PASS</b>

Note:

- mg/kg = milligrams per kilogram
- ND = Not Detected
- Reporting limit (Each): 2 mg/kg





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## TEST RESULT(S): (Continued)

### 410 ILCS 45 Lead Poisoning Prevention Act sec. 6(b) Children's Products (Illinois)

**Test Method** : Reference to CPSC-CH-E1002-08.3, CPSC-CH-E1003-09.1 Analysis by ICP-MS.

Test Item(s)	Item / Component Description(s)
1	COTTON FABRIC WITH MULTICOLOR PRINT
2	CLEAR COATING ON WOOD

Test Item(s)	Unit	Permissible Limit	Result	
			1	2
Lead (Pb)	mg/kg	40	ND	ND
<b>Conclusion</b>	-	-	<b>PASS</b>	<b>PASS</b>

Note:

- mg/kg = milligrams per kilogram
- ND = Not Detected
- Reporting limit (Each): 2 mg/kg

### ASTM F963-17 – Standard Consumer Safety Specification for Toy Safety (Soluble Heavy Metal Content)

**Test Method** : Reference to ASTM F963-17 Analysis by ICP-MS.

Test Item(s)	Item / Component Description(s)
1	CLEAR COATING ON WOOD
2	COTTON FABRIC WITH MULTICOLOR PRINT

Test Item(s)	Unit	Permissible Limit	Result	
			1	2
Antimony (Sb)	mg/kg	60	ND	ND
Arsenic (As)	mg/kg	25	ND	ND
Barium (Ba)	mg/kg	1000	ND	19.3
Cadmium (Cd)	mg/kg	75	ND	ND
Chromium III (Cr III)	mg/kg	60	ND	ND
Lead (Pb)	mg/kg	90	ND	ND
Mercury (Hg)	mg/kg	60	ND	ND
Selenium (Se)	mg/kg	500	ND	ND
<b>Conclusion</b>	-	-	<b>PASS</b>	<b>PASS</b>

Note:

- mg/kg = milligrams per kilogram
- ND = Not Detected
- Reporting limit (each) = 2 mg/kg



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## TEST RESULT(S): (Continued)

### Consumer Product Safety Improvement Act Of 2008 Section 108/ 16 CFR Part 1307 - Phthalates

Test Method : Reference to CPSC-CH-C1001-09.4 Analysis by GC-MS.

Test Item(s)	Item / Component Description(s)
1	CLEAR COATING ON WOOD

Test Item(s)	Abbrev.	Unit	Permissible Limit	Result
				1
Di-(2-ethylhexyl) phthalate	DEHP	%	0.1	ND
Di-butyl phthalate	DBP	%	0.1	ND
Benzyl butyl phthalate	BBP	%	0.1	ND
Di-iso-nonyl phthalate	DINP	%	0.1	ND
Di-iso-butyl phthalate	DIBP	%	0.1	ND
Di-n-pentyl phthalate	DPENP	%	0.1	ND
Di-n-hexyl phthalate	DHEXP	%	0.1	ND
Di-cyclohexyl phthalate	DCHP	%	0.1	ND
<b>Conclusion</b>		-	-	<b>PASS</b>

Note:

- Reporting limit (Each): 0.01 %

- ND = Not Detected

ANNEX					
Compound	Abbrev.	CASRN	Compound	Abbrev.	CASRN
Di-(2-ethylhexyl) phthalate	DEHP	117-81-7	Di-iso-butyl phthalate	DIBP	84-69-5
Di-butyl phthalate	DBP	84-74-2	Di-n-pentyl phthalate	DPENP	84-61-7
Benzyl butyl phthalate	BBP	85-68-7	Di-n-hexyl phthalate	DHEXP	28553-12-0 / 68515-48-0
Di-iso-nonyl phthalate	DINP	131-18-0	Di-cyclohexyl phthalate	DCHP	84-75-3

CASRN: Chemical Abstracts Service Registry Number



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## TEST RESULT(S): (Continued)

### California Proposition 65 – Phthalate Content

**Test Method** : Reference to CPSC-CH-C1001-09.4 Analysis by GC-MS.

Test Item(s)	Item / Component Description(s)
1	CLEAR COATING ON WOOD

Test Item(s)	Abbrev.	Unit	Permissible Limit	Result
				1
Benzyl butyl phthalate	BBP	%	0.1	ND
Di-butyl phthalate	DBP	%	0.1	ND
Di-(2-ethylhexyl) phthalate	DEHP	%	0.1	ND
Di-iso-decyl phthalate	DIDP	%	0.1	ND
Di-iso-nonyl phthalate	DINP	%	0.1	ND
Di-n-hexyl phthalate	DNHP	%	0.1	ND
<b>Conclusion</b>		-	-	<b>PASS</b>

Note:

- Reporting limit (Each): 0.01 %

- ND = Not Detected

ANNEX					
Compound	Abbrev.	CASRN	Compound	Abbrev.	CASRN
Di-butyl phthalate	DBP	84-74-2	Di-iso-decyl phthalate	DIDP	68515-49-1 / 26761-40-0
Benzyl butyl phthalate	BBP	85-68-7	Di-iso-nonyl phthalate	DINP	131-18-0
Di-(2-ethylhexyl) phthalate	DEHP	117-81-7	Di-n-hexyl phthalate	DNHP	28553-12-0 / 68515-48-0

CASRN: Chemical Abstracts Service Registry Number

## END OF REPORT

This report sets forth our findings solely with respect to the test samples identified herein. The results in this report are not representative of the quality or characteristics of the lot/batch from which a test sample was taken or any similar or identical product unless specifically and expressly noted. The sample/s mentioned in this report is/are submitted/supplied/manufactured by the Client, GIC Testing & Inspection Services Pte. Ltd. therefore assumes no responsibility for the accuracy of information on the brand name, model/ style number, consignment or any information supplied. Unless otherwise stated in this report, no tests were conducted to determine long term effects of using the specific product. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission.