



TEST REPORT

Report No. 010224110108

DATED: 30 DECEMBER 2024

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

Buyer : /

Sample Description : COOKERY SET

Item No. : 3635

SKU No. : /

Model / Style : /

Client Specified Age Grade : 2Y+

Manufacturer : /

Country of Origin : THAILAND

Country of Destination : /

Test Sample Received : RECEIVED 19/12/2024

Test Period : FROM 19/12/2024 TO 30/12/2024

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 / ASTM F963-23 STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY SECTION 4.3.5.2(2)A – TOTAL LEAD IN SUBSTRATE	PASS	-
CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 SECTION 101 (F)/ 16 CFR PART 1303 / ASTM F963-23 STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY SECTION 4.3.5.1(1) – 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 ON TOY SAFETY SECTION 4.3.5.2(2)(B) – SOLUBLE HEAVY METALS CONTENT IN SUBSTRATE	PASS	-
ASTM F963-23 STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY SECTION 4.3.5.1(2) SOLUBLE HEAVY METALS CONTENT IN SURFACE COATING	PASS	-

GIC Testing & Inspection Services Pte Ltd

158 Kallang Way #08-01
Singapore 349245



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TEST REQUESTED	CONCLUSION	REMARK
CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 SECTION 108/ 16 CFR PART 1307 / ASTM F963-23 STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY SECTION 4.3.8 - PHTHALATES	PASS	-
CALIFORNIA PROPOSITION 65 – PHTHALATE CONTENT	PASS	-

Remark:

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

For technical enquiries or any other concerns,
please contact:

GIC TESTING & INSPECTION SERVICES PTE LTD

Tel: +65 6741 2260

Email: services.sg@gicgrp.com

PREPARED BY:

WONG KOK LEONG

Laboratory Supervisor

APPROVED BY:

SUZEN CHONG

Senior Vice President

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SAMPLE PHOTO



N/A

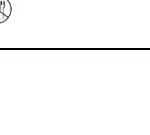
SAMPLE PHOTO



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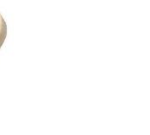
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3635
Cookery Set
2y+



PLAN CREATIONS CO., LTD.
51 Soi Chonkaeng 48, Chonkaeng Road,
Bangkok, Thailand 10110

Sustainably made in Thailand

ISO 9001, ISO 14001, ISO 45001, SA 8000 Certified
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ASTM CE UK



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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: 3635 COOKERY SET

Components

ASTM F963-23 Soluble Heavy Metals

		<u>Report Number</u>	<u>Date of Issue</u>
1	WHITE SAWDUST	010223120149	16-Jan-24
2	5293926 BLACK RUBBER	010224110026	20-Nov-24
3	COLOR COATING ON METAL	010224020068	5-Mar-24
4	CLEAR COATING ON WOOD	010224060179	16-Jul-24
5	RED COATING ON WOOD	010223120128	22-Jan-24

Lead in Surface Coating

1	CLEAR COATING ON WOOD	010224060179	16-Jul-24
2	RED COATING ON WOOD	010223120128	22-Jan-24
3	COLOR COATING ON METAL	010224020068	5-Mar-24

Lead in Substrate

1	WHITE SAWDUST	010223120149	16-Jan-24
2	5200084 / 5203824 METAL PEG	010224050051	22-May-24
3	5293926 BLACK RUBBER	010224090052	20-Sep-24

Phthalate Content

1	WHITE SAWDUST	010223120149	16-Jan-24
2	COLOR COATING ON METAL	010224020068	5-Mar-24
3	5293926 BLACK RUBBER	010224090052	20-Sep-24
4	CLEAR COATING ON WOOD	010224060179	16-Jul-24
5	RED COATING ON WOOD	010223120128	22-Jan-24



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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 Annex A5
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	NA
4.6	Small Objects	M 4.6.1, 4.6.1.1
4.7	Accessible Edges	M
4.8	Projections	NA
4.9	Accessible Points	M 4.9.1, 4.9.3
4.10	Wires or Rods	NA
4.11	Nails and Fasteners	NA
4.12	Plastic Film	M
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



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TEST RESULT(S): (Continued)

Clause	Requirement	Result
5	Labeling Requirements	M 5.1, 5.2
6	Instructional Literature	M 6.1
7	Producer's Markings	M 7.1

Note:

M = Meet

NM = Not Meet

NA = Not Applicable

R = Refer to Comment Section

NR = Not Requested

NT = Not Tested

NP = Not Present

Flammability For Solid/ Soft Toy

Test Method : Reference to ASTM F963-23 Annex A5

Test Item(s)	Item / Component Description(s)
1	3635 Cookery Set

Test Item(s)	Length of Major Axis (in)	Burn Length (in)	Burn Time (s)	Regulatory Limit (in/s)	Burn Rate (in/s)	Result
1	6.5	0	5	0.1	DNI	PASS

Note:

M = Meet

NM = Not Meet

NA = Not Applicable

R = Refer to Comment Section

NR = Not Requested

NT = Not Tested

NP = Not Present

DNI = Did Not Ignite

Consumer Product Safety Improvement Act Of 2008 Section 101 (a)/ 15 U.S.C 1278a / ASTM F963-23 Standard Consumer Safety Specification on Toy Safety Section 4.3.5.2(2)a & 8.3.1 – Total Lead In Substrate

Test Method : Reference to ASTM F963-23 Section 8.3.1 - CPSC-CH-E1002-08.3

Test Item(s)	Item / Component Description(s)
1	WHITE SAWDUST
2	5200084 / 5203824 METAL PEG
3	5293926 BLACK RUBBER

Test Item(s)	Unit	Permissible Limit	Result		
			1	2	3
Lead (Pb)	mg/kg	100	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS

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 101 (f)/ 16 CFR Part 1303 / ASTM F963-23 Standard Consumer Safety Specification on Toy Safety Section 4.3.5.1(1) - Total Lead In Surface Coating

Test Method : Reference to ASTM F963-23 Section 8.3.1 - CPSC-CH-E1003-09.1

Test Item(s)	Item / Component Description(s)
1	CLEAR COATING ON WOOD
2	RED COATING ON WOOD
3	COLOR COATING ON METAL

Test Item(s)	Unit	Permissible Limit	Result		
			1	2	3
Lead (Pb)	mg/kg	90	ND	ND	4.9
Conclusion	-	-	PASS	PASS	PASS

Note:

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

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

Test Method : Reference to ASTM F963-23 Section 8.3.1 - CPSC-CH-E1002-08.3, CPSC-CH-E1003-09.1

Test Item(s)	Item / Component Description(s)
1	WHITE SAWDUST
2	5200084 / 5203824 METAL PEG
3	5293926 BLACK RUBBER

Test Item(s)	Unit	Permissible Limit	Result		
			1	2	3
Lead (Pb) in substrate	mg/kg	100*	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS

Test Item(s)	Item / Component Description(s)
1	CLEAR COATING ON WOOD
2	RED COATING ON WOOD
3	COLOR COATING ON METAL

Test Item(s)	Unit	Permissible Limit	Result		
			1	2	3
Lead (Pb) in coating	mg/kg	90*	ND	ND	4.9
Conclusion	-	-	PASS	PASS	PASS

Note:

- mg/kg = milligrams per kilogram
- ND = Not Detected
- Reporting limit (Each): 2 mg/kg
- * Result over 40 mg/kg – 90 mg/kg in coating and 40 mg/kg – 100 mg/kg in substrate, warning label must be added



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TEST RESULT(S): (Continued)

ASTM F963-23 Standard Consumer Safety Specification on Toy Safety Section 4.3.5.2(2)(b) - Soluble Heavy Metals Content in Substrate

Test Method : Reference to ASTM F963-23, Section 8.3.5 (Excluding 8.3.5.5(3)).

Test Item(s)	Item / Component Description(s)
1	WHITE SAWDUST
2	5293926 BLACK RUBBER

Soluble Element(s)	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Maximum Allowable Limit (mg/kg)	25	1 000	75	60	60	90	60	500
Analytical Correction (%)	60	30	30	30	50	30	60	60

-	Unit	Result	
Test Item(s)	-	1	2
Parameter	-	-	-
Arsenic (As)	mg/kg	ND	ND
Barium (Ba)	mg/kg	ND	ND
Cadmium (Cd)	mg/kg	ND	ND
Chromium (Cr)	mg/kg	ND	ND
Mercury (Hg)	mg/kg	ND	ND
Lead (Pb)	mg/kg	ND	ND
Antimony (Sb)	mg/kg	ND	ND
Selenium (Se)	mg/kg	ND	ND
Conclusion	-	PASS	PASS

Note / Key:

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

Remark:

- ° denotes as reported result(s) was (were) adjusted by analytical correction shown in limit table.

ASTM F963-23 Standard Consumer Safety Specification on Toy Safety Section 4.3.5.1(2) - Soluble Heavy Metals Content in Surface Coating

Test Method : Reference to ASTM F963-23, Sections 8.3.2 to 8.3.4.

Test Item(s)	Item / Component Description(s)
1	COLOR COATING ON METAL
2	CLEAR COATING ON WOOD
3	RED COATING ON WOOD

Soluble Element(s)	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Maximum Allowable Limit (mg/kg)	25	1 000	75	60	60	90	60	500
Analytical Correction (%)	60	30	30	30	50	30	60	60



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TEST RESULT(S): (Continued)

-	Unit	Result		
Test Item(s)	-	1	2	3
Parameter	-	-	-	-
Arsenic (As)	mg/kg	ND	ND	ND
Barium (Ba)	mg/kg	2.2	ND	6.0
Cadmium (Cd)	mg/kg	ND	ND	ND
Chromium (Cr)	mg/kg	55.4	ND	ND
Mercury (Hg)	mg/kg	ND	ND	ND
Lead (Pb)	mg/kg	ND	ND	ND
Antimony (Sb)	mg/kg	ND	ND	ND
Selenium (Se)	mg/kg	ND	ND	ND
Conclusion	-	PASS	PASS	PASS

Note / Key:

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

Remark:

- ° denotes as reported result(s) was (were) adjusted by analytical correction shown in limit table.

Consumer Product Safety Improvement Act Of 2008 Section 108/ 16 CFR Part 1307 / ASTM F963-23 Standard Consumer Safety Specification on Toy Safety Section 4.3.8 - Phthalates

Test Method : Reference to ASTM F963-23 Section 4.3.8.1- CPSC-CH-C1001-09.4

Test Item(s)	Item / Component Description(s)
1	WHITE SAWDUST
2	COLOR COATING ON METAL
3	5293926 BLACK RUBBER
4	CLEAR COATING ON WOOD
5	RED COATING ON WOOD

-	Abbrev.	Unit	Permissible Limit	Result				
Test Item(s)	-	-	-	1	2	3	4	5
Di-iso-butyl phthalate	DIBP	%	0.1	ND	ND	ND	ND	ND
Di-butyl phthalate	DBP	%	0.1	ND	ND	ND	ND	ND
Di-n-pentyl phthalate	DPENP	%	0.1	ND	ND	ND	ND	ND
Di-n-hexyl phthalate	DHEXP	%	0.1	ND	ND	ND	ND	ND
Di-cyclohexyl phthalate	DCHP	%	0.1	ND	ND	ND	ND	ND
Di-(2-ethylhexyl) phthalate	DEHP	%	0.1	ND	ND	ND	ND	ND
Benzyl butyl phthalate	BBP	%	0.1	ND	ND	ND	ND	ND
Di-iso-nonyl phthalate	DINP	%	0.1	ND	ND	ND	ND	ND
Di-n-octyl phthalate	DNOP	%	0.1	ND	ND	ND	ND	ND
Di-iso-decyl phthalate	DIDP	%	0.1	ND	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS	PASS

Note:

- Reporting limit (Each): 0.01 %
- ND = Not Detected
- Phthalate requirements are quoted in accordance with 16 CFR 1307, while Di-n-octyl phthalate (DNOP) and Di-iso-decyl phthalate (DIDP) were tested upon client request.



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TEST RESULT(S): (Continued)

ANNEX					
Compound	Abbrev.	CASRN	Compound	Abbrev.	CASRN
Di-iso-butyl phthalate	DIBP	84-69-5	Di-iso-nonyl phthalate	DINP	28553-12-0 / 68515-48-0
Di-butyl phthalate	DBP	84-74-2	Di-iso-decyl phthalate	DIDP	68515-49-1 / 26761-40-0
Di-n-pentyl phthalate	DPENP	131-18-0	Di-n-hexyl phthalate	DHEXP	84-75-3
Benzyl butyl phthalate	BBP	85-68-7	Di-n-octyl phthalate	DNOP	117-84-0
Di-(2-ethylhexyl) phthalate	DEHP	117-81-7	Di-cyclohexyl phthalate	DCHP	84-61-7

CASRN: Chemical Abstracts Service Registry Number

California Proposition 65 – Phthalate Content

Test Method : Reference to ASTM F963-23 Section 4.3.8.1- CPSC-CH-C1001-09.4

Test Item(s)	Item / Component Description(s)
1	WHITE SAWDUST
2	COLOR COATING ON METAL
3	5293926 BLACK RUBBER
4	CLEAR COATING ON WOOD
5	RED COATING ON WOOD

-	Abbrev.	Unit	Permissible Limit	Result					
Test Item(s)	-	-	-	1	2	3	4	5	6
Benzyl butyl phthalate	BBP	%	0.1	ND	ND	ND	ND	ND	ND
Di-butyl phthalate	DBP	%	0.1	ND	ND	ND	ND	ND	ND
Di-(2-ethylhexyl) phthalate	DEHP	%	0.1	ND	ND	ND	ND	ND	ND
Di-iso-nonyl phthalate	DINP	%	0.1	ND	ND	ND	ND	ND	ND
Di-iso-decyl phthalate	DIDP	%	0.1	ND	ND	ND	ND	ND	ND
Di-n-hexyl phthalate	DHEXP / DnHP	%	0.1	ND	ND	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS	PASS	PASS

Note:

- Reporting limit (Each): 0.01 %

- ND = Not Detected

ANNEX					
Compound	Abbrev.	CAS no.	Compound	Abbrev.	CAS no.
Di-butyl phthalate	DBP	84-74-2	Di-(2-ethylhexyl) phthalate	DEHP	117-81-7
Benzyl butyl phthalate	BBP	85-68-7	Di-n-hexyl phthalate	DHEXP / DnHP	84-75-3
Di-iso-nonyl phthalate	DINP	28553-12-0	Di-iso-decyl phthalate	DIDP	26761-40-0

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.