



TEST REPORT

Report No. 010224120127

DATED: 28 JANUARY 2025

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

Buyer : /

Sample Description : RUBBER ROAD & RAIL ADAPTOR TRACKS

Item No. : 6327

SKU No. : /

Model / Style : /

Client Specified Age Grade : 3Y+

Manufacturer : /

Country of Origin : THAILAND

Country of Destination : /

Test Sample Received : RECEIVED 21/01/2025

Test Period : FROM 21/01/2025 TO 28/01/2025

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	-
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	-
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	-

GIC Testing & Inspection Services Pte Ltd

158 Kallang Way #08-01
Singapore 349245



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Remark:

1. The sample is tested "3Y+" as per client requested.
2. The Labeled Age Grade is 3Y+.

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:

A handwritten signature in black ink, appearing to read 'Ridh', is placed over a small, light blue rectangular background.

MOHAMED RIDZUAN

TESTING ENGINEER

APPROVED BY:

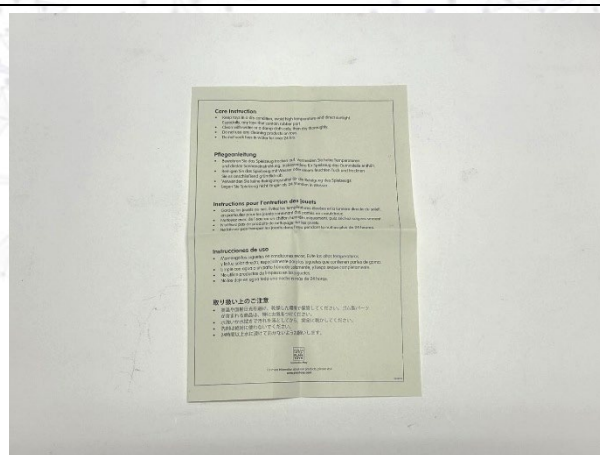
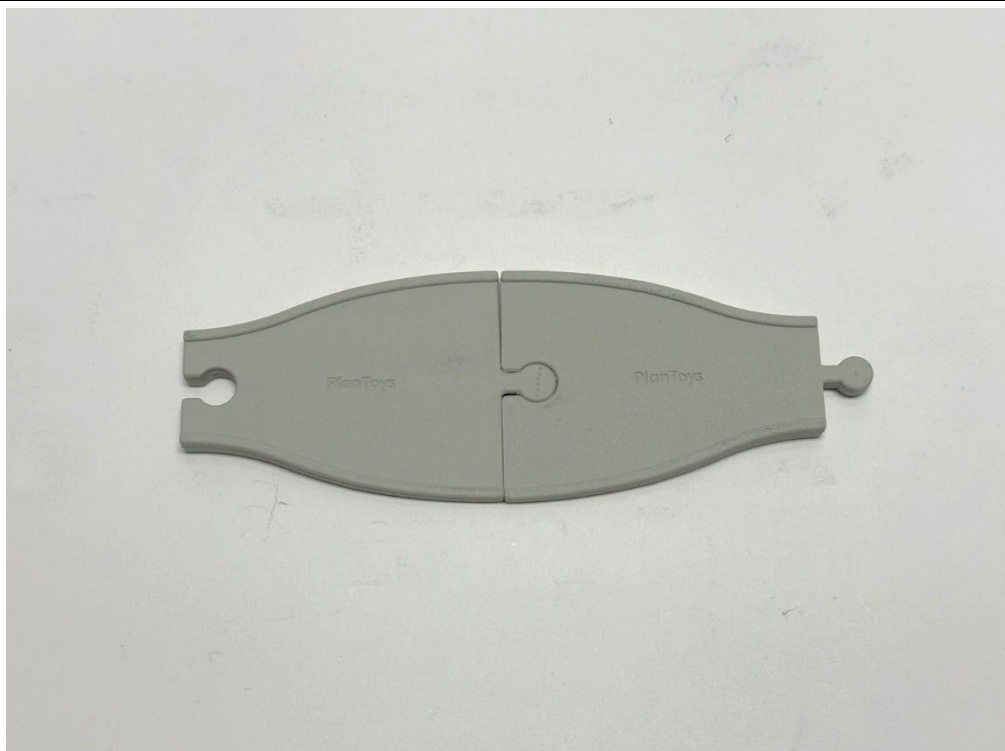
A handwritten signature in black ink, appearing to read 'Wong', is placed over a small, light blue rectangular background.

WONG KOK LEONG

ASSISTANT MANAGER

GICG - ENABLING TRUST IN A CHANGING WORLD

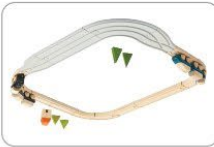
SAMPLE PHOTO



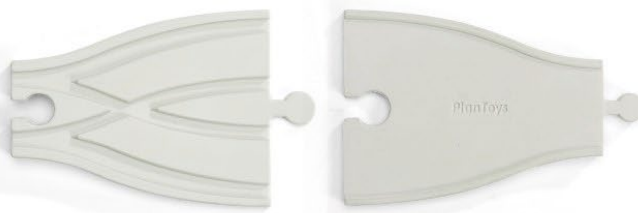
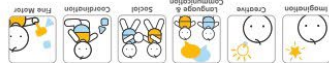
SAMPLE PHOTO



Our manufacturing process. We are actively working to reduce it.
The CO2 number on each package shows the emissions for this item.
Our goal is to reduce it to 0.5 kg CO2e per unit by 2030.
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Sustainable Play



Sustainable Play



Sustainable Play



6327
Rubber Road & Rail Adaptor Tracks
3y+



PLAN CREATIONS CO., LTD.
51 Soi Charoen Krung 69, Charoen Krung Road,
Yannawa, Sathon, Bangkok 10120
Sustainably made in Thailand

ISO 9001, ISO 14001, ISO 45001, SA 8000 Certified



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121924



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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: 6327 RUBBER ROAD & RAIL ADAPTOR TRACKS

Components

ASTM F963-23 Soluble Heavy Metals

1 GRAY RUBBER

Report Number

010224020205

Date of Issue

18-Mar-24

Lead in Substrate

1 GRAY RUBBER

010224020205

18-Mar-24

Phthalate Content

1 GRAY RUBBER

010224020205

18-Mar-24

GICG - ENABLING TRUST IN A CHANGING WORLD



Report No. 010224120127

DATED: 28 JANUARY 2025

TEST RESULT(S):

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

Test Method : Reference to ASTM F963-23.

Test Item(s)	Item / Component Description(s)
1	6327 RUBBER ROAD & RAIL ADAPTOR TRACKS

Clause	Requirement	Result
4.1	Material quality	M
4.2	Flammability	See Results Annex A5
4.3	Toxicology	M 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	NA
4.7	Accessible Edges	M 4.7.4
4.8	Projections	NA
4.9	Accessible Points	M 4.9.1
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



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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	6327 RUBBER ROAD & RAIL ADAPTOR TRACKS

Test Item(s)	Length of Major Axis (in)	Burn Length (in)	Burn Time (s)	Regulatory Limit (in/s)	Burn Rate (in/s)	Result
1	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	GRAY RUBBER

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

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

Note:

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

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	GRAY 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
Parameter	-	-
Arsenic (As)	mg/kg	ND
Barium (Ba)	mg/kg	ND
Cadmium (Cd)	mg/kg	ND
Chromium (Cr)	mg/kg	ND
Mercury (Hg)	mg/kg	ND
Lead (Pb)	mg/kg	ND
Antimony (Sb)	mg/kg	ND
Selenium (Se)	mg/kg	ND
Conclusion	-	PASS

Note / Key:

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

Remark:

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



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TEST RESULT(S): (Continued)

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	GRAY RUBBER

-	Abbrev.	Unit	Permissible Limit	Result
Test Item(s)	-	-	-	1
Di-iso-butyl phthalate	DIBP	%	0.1	ND
Di-butyl phthalate	DBP	%	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
Di-(2-ethylhexyl) phthalate	DEHP	%	0.1	ND
Benzyl butyl phthalate	BBP	%	0.1	ND
Di-iso-nonyl phthalate	DINP	%	0.1	ND
Di-n-octyl phthalate	DNOP	%	0.1	ND
Di-iso-decyl phthalate	DIDP	%	0.1	ND
Conclusion	-	-	-	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.

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



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TEST RESULT(S): (Continued)

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	GRAY RUBBER

-	Abbrev.	Unit	Permissible Limit	Result
Test Item(s)	-	-	-	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-nonyl phthalate	DINP	%	0.1	ND
Di-iso-decyl phthalate	DIDP	%	0.1	ND
Di-n-hexyl phthalate	DHEXP / DnHP	%	0.1	ND
Conclusion	-	-	-	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.