



# TEST REPORT

Report No. 010121010012R1

Dated JAN 29, 2021

**Client** : PLAN CREATIONS CO., LTD.  
8 MOO 8, TRANG-PALIAN RD.,  
YANTAKAO, TRANG 92140  
ATTN: MS RATCHADA KONGTHON

**Buyer** : /

**Test Sample Received** : RECEIVED ON 29/12/2020

**Test Period** : FROM 29/12/2020 TO 05/01/2021

**Sample Description** : OVAL XYLOPHONE – ORCHARD COLLECTION

**Product Code** : 6441

**Age Grade** : 12M+

**Manufacturer** : /

**Country of Destination** : /

**Country of Origin** : THAILAND

*\*Report was revised to amend Sample Description as per client request and shall supersede Report 010121010012, dated 05 Jan 2021.*

TEST REQUESTED	CONCLUSION	REMARK
ASTM F963-17 – STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY (MECHANICAL AND PHYSICAL PROPERTIES)	PASS	-
CPSC 2020 AGE DETERMINATION GUIDELINES	DATA	-
ASTM F963-17 – STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY (FLAMMABILITY)	PASS	-
CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 SECTION 101 CHILDREN'S PRODUCTS CONTAINING LEAD	PASS	-
CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 SECTION 101 CHILDREN'S PRODUCTS CONTAINING LEAD; LEAD PAINT RULE	PASS	-
ILCS 410 ILCS 45 LEAD POISONING PREVENTION ACT SEC. 6(B) CHILDREN'S PRODUCTS (ILLINOIS)	PASS	-
ASTM F963-17 – STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY (SOLUBLE HEAVY METAL CONTENT)	PASS	-
CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 SECTION 108 PROHIBITION OF SALE OF CERTAIN PRODUCTS CONTAINING SPECIFIED PHTHALATES	PASS	-
CALIFORNIA PROPOSITION 65 – PHTHALATE CONTENT	PASS	-



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For technical enquiries or any other concerns, please contact:

GIC TESTING & INSPECTION SERVICES

Tel: +65 6741 2260

Email: services.sg@gicgrp.com

PREPARED BY:

**EDMUND YAP**  
LABORATORY MANAGER

APPROVED BY:

**SUZEN CHONG**  
SENIOR VICE PRESIDENT

## SAMPLE PHOTO



## SAMPLE PHOTO

<p><b>Oval Xylophone - Orchard</b> This wooden xylophone features five colorful panels that help with hand-eye coordination. Please note this xylophone is made for fun and may not be musically accurate.</p> <p><b>Xilófono ovalado Orchard</b> Este xilófono de madera cuenta con cinco paneles de colores que ayudan con la coordinación mano-ojo. Ten en cuenta que este xilófono está hecho para divertirte y puede que no sea musicalmente preciso.</p>	
	 <p>PLAN CREATIONS CO., LTD. 114/1 Soi Sathorn 10, North Sathorn Road, Bangkok, Bangkok 10500</p> <p>Sustainably made in Thailand</p> <p>ISO 9001, ISO 14001, ISO 45001, SA 8000 Certified EPA TSCA Title VI / 40 CFR Part 770 compliant for formaldehyde</p> <p>Conforms to ASTM CE</p>
 <p>8 854740 0644 17</p> <p>All Rights Reserved © 2021</p> <p>Specifications may vary from pictures. Technische Daten können vom Bild abweichen. Les spécifications peuvent varier de la photo. Las especificaciones pueden variar de imagen. 仕様は、画像と異なる場合があります。</p>	
	



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**TEST RESULT(S):**

**ASTM F963-17 – Standard Consumer Safety Specification for Toy Safety (Mechanical and Physical Properties)**

**Test Method** : Reference to ASTM F963-17.

Section	Requirement	Result
4.1	Material quality	M
4.2	Flammability	See Results
4.3	Toxicology	See Results
4.4	Electrical/Thermal Energy	NA
4.5	Sound-Producing Toys	NA
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



# TEST REPORT

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TEST RESULT(S): (Continued)

### CPSC 2020 Age Determination Guidelines

Test Method : Reference to CPSC 2020 Age Determination Guidelines.

Claimed Age Grade	Recommended Age Grade
12M+	12M+

### ASTM F963-17 – Standard Consumer Safety Specification for Toy Safety (Flammability)

Test Method : Reference to ASTM F963-17 Annex A5.

Test Item(s)	Item / Component Description(s)
1	6441 Oval Xylophone – Orchard Collection

Test Item(s)	Length of Major Axis (in)	Burn Time (s)	Req. (in/s)	Burn Rate (in/s)	Result
1	11.00	DNI	0.1	DNI	DNI
<b>Conclusion</b>	-	-	-	-	<b>PASS</b>

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

### Consumer Product Safety Improvement Act of 2008 Section 101 Children’s Products Containing Lead

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

Test Item(s)	Item / Component Description(s)
1	White elastic

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

Note:

- mg/kg = milligrams per kilogram

- Reporting limit (Each): 10 mg/kg

- ND = Not Detected

### Consumer Product Safety Improvement Act of 2008 Section 101 Children’s Products Containing Lead: Lead Paint Rule

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

Test Item(s)	Item / Component Description(s)
1	Lacquer coating on wood
2	Brown coating on wood
3	Light gray coating on wood
4	White coating on wood
5	Light orange coating on wood
6	Dark yellow coating on wood
7	Light blue coating on wood
8	Dark blue coating on wood



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## TEST RESULT(S): (Continued)

Test Item(s)	Unit	Req.	Result							
			1	2	3	4	5	6	7	8
Lead	mg/kg	90	ND	ND	ND	ND	ND	ND	ND	ND
<b>Conclusion</b>	-	-	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

Note:

- mg/kg = milligrams per kilogram
- Reporting limit (Each): 10 mg/kg
- ND = Not Detected

## 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	White elastic
2	Lacquer coating on wood
3	Brown coating on wood
4	Light gray coating on wood
5	White coating on wood
6	Light orange coating on wood
7	Dark yellow coating on wood
8	Light blue coating on wood
9	Dark blue coating on wood

Test Item(s)	Unit	Req.	Result				
			1	2	3	4	5
Total Lead (Pb)	mg/kg	40	ND	ND	ND	ND	ND
<b>Conclusion</b>	-	-	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

Test Item(s)	Unit	Req.	Result			
			6	7	8	9
Total Lead (Pb)	mg/kg	40	ND	ND	ND	ND
<b>Conclusion</b>	-	-	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

Note:

- mg/kg = milligrams per kilogram
- Reporting limit (Each): 10 mg/kg
- ND = Not Detected



# TEST REPORT

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TEST RESULT(S): (Continued)

**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	White elastic
2	Lacquer coating on wood
3	Brown coating on wood
4	Light gray coating on wood
5	White coating on wood
6	Light orange coating on wood
7	Dark yellow coating on wood
8	Light blue coating on wood
9	Dark blue coating on wood

-	Unit	Req.	Result			
Test Item(s)	-	-	1	2	3	4
Antimony (Sb)	mg/kg	60	ND	ND	ND	ND
Arsenic (As)	mg/kg	25	ND	ND	ND	ND
Barium (Ba)	mg/kg	1000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	75	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	60	ND	ND	ND	ND
Lead (Pb)	mg/kg	90	ND	ND	ND	ND
Mercury (Hg)	mg/kg	60	ND	ND	ND	ND
Selenium (Se)	mg/kg	500	ND	ND	ND	ND
<b>Conclusion</b>	-	-	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

-	Unit	Req.	Result				
Test Item(s)	-	-	5	6	7	8	9
Antimony (Sb)	mg/kg	60	ND	ND	ND	ND	ND
Arsenic (As)	mg/kg	25	ND	ND	ND	ND	ND
Barium (Ba)	mg/kg	1000	ND	ND	ND	40	ND
Cadmium (Cd)	mg/kg	75	ND	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	60	ND	ND	ND	ND	ND
Lead (Pb)	mg/kg	90	ND	ND	ND	ND	ND
Mercury (Hg)	mg/kg	60	ND	ND	ND	ND	ND
Selenium (Se)	mg/kg	500	ND	ND	ND	ND	ND
<b>Conclusion</b>	-	-	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

Note:

- mg/kg = milligrams per kilogram
- Reporting limit (each) = 10 mg/kg
- ND = Not Detected



# TEST REPORT

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**TEST RESULT(S): (Continued)**

**Consumer Product Safety Improvement Act of 2008 Section 108 Prohibition of Sale of Certain Products Containing Specified Phthalates**

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

Test Item(s)	Item / Component Description(s)
1	White elastic
2	Lacquer coating on wood
3	Brown coating on wood
4	Light gray coating on wood
5	White coating on wood
6	Light orange coating on wood
7	Dark yellow coating on wood
8	Light blue coating on wood
9	Dark blue coating on wood

Test Item(s)	Abbrev.	Unit	Req.	Result				
				1	2	3	4	5
Di-(2-ethylhexyl) phthalate	DEHP	%	0.1	ND	ND	ND	ND	ND
Di-butyl phthalate	DBP	%	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-iso-butyl phthalate	DIBP	%	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
<b>Conclusion</b>		-	-	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

Test Item(s)	Abbrev.	Unit	Req.	Result			
				6	7	8	9
Di-(2-ethylhexyl) phthalate	DEHP	%	0.1	ND	ND	ND	ND
Di-butyl phthalate	DBP	%	0.1	ND	ND	ND	ND
Benzyl butyl phthalate	BBP	%	0.1	ND	ND	ND	ND
Di-iso-nonyl phthalate	DINP	%	0.1	ND	ND	ND	ND
Di-iso-butyl phthalate	DIBP	%	0.1	ND	ND	ND	ND
Di-n-pentyl phthalate	DPENP	%	0.1	ND	ND	ND	ND
Di-n-hexyl phthalate	DHEXP	%	0.1	ND	ND	ND	ND
Di-cyclohexyl phthalate	DCHP	%	0.1	ND	ND	ND	ND
<b>Conclusion</b>		-	-	<b>PASS</b>	<b>PASS</b>	<b>PASS</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	White elastic
2	Lacquer coating on wood
3	Brown coating on wood
4	Light gray coating on wood
5	White coating on wood
6	Light orange coating on wood
7	Dark yellow coating on wood
8	Light blue coating on wood
9	Dark blue coating on wood

Test Item(s)	Abbrev.	Unit	Req.	Result				
				1	2	3	4	5
Benzyl butyl phthalate	BBP	%	0.1	ND	ND	ND	ND	ND
Di-butyl phthalate	DBP	%	0.1	ND	ND	ND	ND	ND
Di-(2-ethylhexyl) phthalate	DEHP	%	0.1	ND	ND	ND	ND	ND
Di-iso-decyl phthalate	DIDP	%	0.1	ND	ND	ND	ND	0.01
Di-iso-nonyl phthalate	DINP	%	0.1	ND	ND	ND	ND	ND
Di-n-hexyl phthalate	DNHP	%	0.1	ND	ND	ND	ND	ND
<b>Conclusion</b>		-	-	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

Test Item(s)	Abbrev.	Unit	Req.	Result			
				6	7	8	9
Benzyl butyl phthalate	BBP	%	0.1	ND	ND	ND	ND
Di-butyl phthalate	DBP	%	0.1	ND	ND	ND	ND
Di-(2-ethylhexyl) phthalate	DEHP	%	0.1	ND	ND	ND	ND
Di-iso-decyl phthalate	DIDP	%	0.1	ND	ND	ND	ND
Di-iso-nonyl phthalate	DINP	%	0.1	ND	ND	ND	ND
Di-n-hexyl phthalate	DNHP	%	0.1	ND	ND	ND	ND
<b>Conclusion</b>		-	-	<b>PASS</b>	<b>PASS</b>	<b>PASS</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.