



# TEST REPORT

Report No. 010221060159R1

Dated NOV 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 11/06/2021

**Test Period** : FROM 11/06/2021 TO 29/06/2021

**Sample Description** : CLATTER

**Product Code** : 6413

**Age Grade** : 18M+

**Manufacturer** : /

**Country of Destination** : /

**Country of Origin** : THAILAND

*\*Report was revised as per client request and shall supersede Report# 010221060159, dated 29 Jun, 2021.*

TEST REQUESTED	CONCLUSION	REMARK
EN 71-1:2014+A1:2018 – PHYSICAL AND MECHANICAL PROPERTIES	PASS	-
ISO 8124-8:2016 AGE DETERMINATION GUIDELINES	DATA	-
EN 71-2:2020 – FLAMMABILITY	PASS	-
EN 71-3:2019+A1:2021 – MIGRATION OF CERTAIN ELEMENTS	PASS	-

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



### Clatter

The Clatter makes a click-clack sound that changes with play and goes from a gentle ripple to a clattering crescendo.

### Rassel

Die Rassel erzeugt Klick-Klack-Geräusche, die sich je nach Art des Spiels unterscheiden, von einem leichten Rasseln kann es bis zum richtigen Klappern anschwellen.



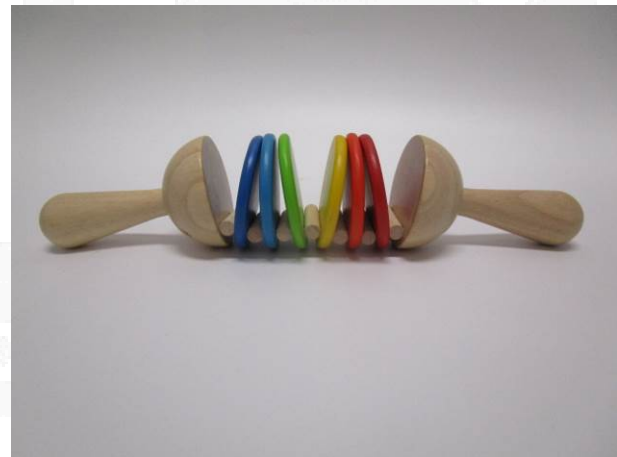


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## SAMPLE PHOTO





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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 24 months prior to this report.

**Item Description:** 6413 Clatter

### Components

#### EN 71-3:2019+A1:2021 – Migration of Certain Elements

	<u>Report Number</u>	<u>Date of Issue</u>
Solid Wood	120070114	23 JUL 2020
White Cord	010121010055	19 JAN 2021
Blue Coating On Wood	120120131	30 DEC 2020
Yellow Coating On Wood (108C)	120070116	23 JUL 2020
Yellow Coating On Wood (1235C)	120070125	24 JUL 2020
Light Green Coating On Wood	120070122	24 JUL 2020
Lacquer Coating On Wood	120070120	23 JUL 2020
Dark Green Coating On Wood	010121030125	26 MAR 2021
Red Coating On Wood	120070116	23 JUL 2020
Orange Coating On Wood	120120127	30 DEC 2020
Dark Blue Coating On Wood	120120056	11 DEC 2020
Dark Brown Coating On Wood	120070131	24 JUL 2020



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**TEST RESULT(S):**

**EN 71-1:2014+A1:2018 – Physical and Mechanical Properties**

**Test Method** : Reference to EN 71-1:2014+A1:2018.

Test Item(s)	Item / Component Description(s)
1	6413 Clatter

Clause	Requirement	Result
		1
4.1	Material cleanliness	M
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	M
4.8	Points and metallic wires	NA
4.8 e)	Splinters	M
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cord of toy kites and other flying toys	NA
4.14	Toys which a child can enter	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps	NA
4.20	Acoustics	M
4.20.2.2	Close-to-the-ear toys	NA
4.20.2.3	Table-top or floor toys	NA
4.20.2.4	Hand-held toys	NA
4.20.2.5	Toys using headphones or earphones	NA
4.20.2.6	Rattles	NA
4.20.2.7	Squeeze toys	NA
4.20.2.8	Pull-along or push toys	NA
4.20.2.9	Percussion toys	NA
4.20.2.10	Wind toys	M
4.20.2.11	Cap-firing toys	NA
4.20.2.12	Voice toys	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
5	Toys intended for children under 36 months	NA
6	Packaging	NA
7	Warning, instructions for use	M

Note:

M = Meet

NM = Not Meet

NA = Not Applicable

R = Refer to Comment Section

NR = Not Requested

NT = Not Tested

NP = Not Present





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## TEST RESULT(S): (Continued)

Test Item(s)	6413 Clatter		
	Req.	Unit	Result
A-weighted time-averaged emission sound pressure level ( $L_{pA}$ )	85	dB	80.1
C-weighted peak emission sound pressure level ( $L_{pCpeak}$ )	110	dB	82.5
Conclusion	-	-	<b>PASS</b>

## ISO 8124-8:2016 Age Determination Guidelines

Test Method : Reference to ISO 8124-8:2016.

Claimed Age Grade	Recommended Age Grade
18M+	18M+

## EN 71-2:2020 - Flammability

Test Method : Reference to EN 71-2:2020.

Test Item(s)	Item / Component Description(s)
1	6413 Clatter

Subclause	Requirement	Result
4.1	General requirement	PASS
	Celluloid (cellulose nitrate)	NP

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

## EN 71-3:2019+A1:2021 – Migration of Certain Elements

Test Method : Reference to EN 71-3:2019+A1:2021 Analysis by ICP-MS.

Test Item(s)	Item / Component Description(s)
1	Solid Wood
2	White Cord
3	Blue Coating On Wood
4	Yellow Coating On Wood (108C)
5	Yellow Coating On Wood (1235C)
6	Light Green Coating On Wood
7	Lacquer Coating On Wood
8	Dark Green Coating On Wood
9	Red Coating On Wood
10	Orange Coating On Wood
11	Dark Blue Coating On Wood
12	Dark Brown Coating On Wood

See Soluble Element and its corresponding Maximum Allowable Limit in Result Table	Category I	Pliable modelling materials or other solid materials intended to leave a trace appearing in the toy
	Category II	Liquid paints/inks and other similar materials appearing as such in the toy (e.g. bubble solution), and glue sticks
	Category III	Coatings, polymeric materials (e.g. plastics), paper, textiles, glass, ceramic, metallic, wood and other solid materials



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

-	Unit	Req.	Result				
Test Item(s)	-	-	1	2	3	4	5
Category Type	-	III	III	III	III	III	III
Aluminium (Al)	mg/kg	28130	ND	ND	1392	134	119
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND	22
Boron (B)	mg/kg	15000	ND	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	0.22	0.04	1.29	0.12	0.75
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	1.89	ND	ND
Manganese (Mn)	mg/kg	15000	26	ND	ND	15	22
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	3.75	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	10	ND	ND	ND	ND
<b>Conclusion</b>	-	-	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

-	Unit	Req.	Result				
Test Item(s)	-	-	6	7	8	9	10
Category Type	-	III	III	III	III	III	III
Aluminium (Al)	mg/kg	28130	ND	ND	771	11	224
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND	5.9
Chromium III (Cr III)	mg/kg	460	0.11	0.11	1.60	0.55	0.68
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	58	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	2.55	ND	1.17
Manganese (Mn)	mg/kg	15000	ND	ND	ND	19	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND	13
<b>Conclusion</b>	-	-	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>



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## TEST RESULT(S): (Continued)

-	Unit	Req.	Result	
<b>Test Item(s)</b>	-	-	11	12
<b>Category Type</b>	-	III	III	III
Aluminium (Al)	mg/kg	28130	2116	25
Antimony (Sb)	mg/kg	560	ND	ND
Arsenic (As)	mg/kg	47	0.6	ND
Barium (Ba)	mg/kg	18750	ND	ND
Boron (B)	mg/kg	15000	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND
Chromium III (Cr III)	mg/kg	460	1.10	0.20
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND
Lead (Pb)	mg/kg	23	2.73	1.5
Manganese (Mn)	mg/kg	15000	ND	30
Mercury (Hg)	mg/kg	94	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND
Selenium (Se)	mg/kg	460	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND
Organic tin	mg/kg	12	ND	ND
Zinc (Zn)	mg/kg	46000	13	ND
<b>Conclusion</b>	-	-	<b>PASS</b>	<b>PASS</b>

Note:

- mg/kg = milligram per kilogram
- ND = Not Detected
- Reporting limit for Cr (III), Cr (VI) = 0.02 mg/kg, and for Tin and Organic Tin = 0.9 mg/kg
- Reporting limit for Pb = 1.0 mg/kg, for As, Cd = 0.5 mg/kg
- Reporting limit for Al, Sb, Ba B, Co, Hg, Cu, Mn, Ni, Se, Sr, Zn = 10.0 mg/kg
- Confirmation test of chromium (III) is not required in case of chromium does not exceed their requirements as specified in EN 71-3:2019.

**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.