



TEST REPORT

Report No. 010221090003

Dated SEP 07, 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 13/08/2021

Test Period : FROM 02/09/2021 TO 07/09/2021

Sample Description : RAMP RACER

Product Code : 5379

Age Grade : 18M+

Manufacturer : /

Country of Destination : /

Country of Origin : THAILAND

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 – MIGRATION OF CERTAIN ELEMENTS	PASS	-

For technical enquiries or any other concerns, please contact:

GIC TESTING & INSPECTION SERVICES
Tel: +65 6741 2260
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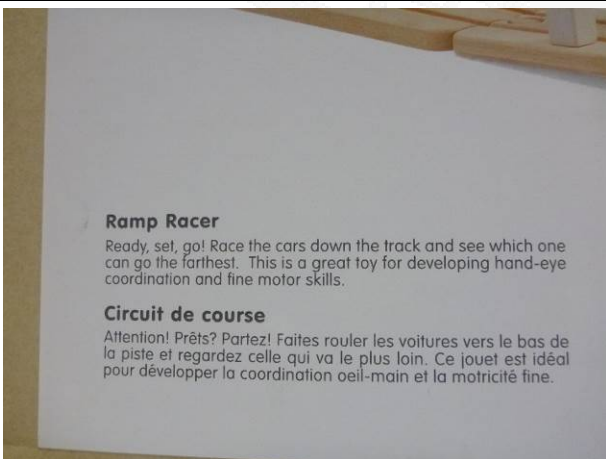
PREPARED BY:

EDMUND YAP
LABORATORY MANAGER

APPROVED BY:

SUZEN CHONG
SENIOR VICE PRESIDENT

SAMPLE PHOTO





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SAMPLE PHOTO



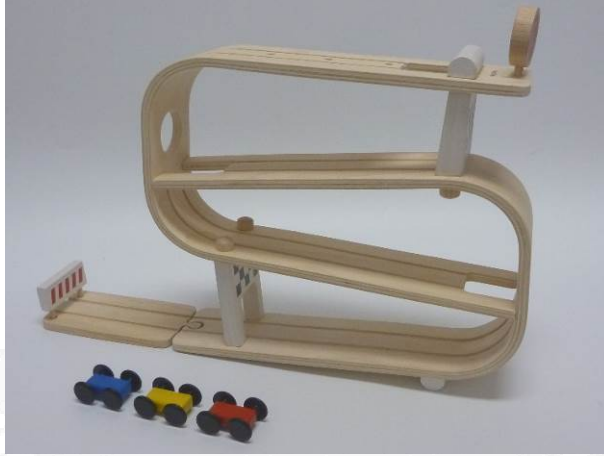


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SAMPLE PHOTO



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: 5379 RAMP RACER

Components

EN 71-3:2019 Migration of Certain Elements

SOLID WOOD
 PLYWOOD
 WHITE COATING ON WOOD
 YELLOW COATING ON WOOD
 LACQUER COATING ON WOOD
 RED COATING ON WOOD
 DARK BLUE COATING ON WOOD
 BLACK COATING ON WOOD
 DARK BROWN COATING ON WOOD
 DARK GREEN COATING ON WOOD
 BLACK PLASTIC

Report Number

Date of Issue

010221060154 01 JUL 2021
 010221060154 01 JUL 2021
 010121030124 26 MAR 2021
 010221070114 16 JUL 2021
 010221060151 01 JUL 2021
 010221060152 01 JUL 2021
 120120056 11 DEC 2020
 010121030125 26 MAR 2021
 010221070114 16 JUL 2021
 010121030124 26 MAR 2021
 010221050143 15 JUN 2021



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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	5379 RAMP RACER

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	M
4.8 e)	Splinters	NA
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	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	M
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

ISO 8124-8:2016 Age Determination Guidelines

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

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



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TEST RESULT(S): (Continued)

EN 71-2:2020 - Flammability

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

Test Item(s)	Item / Component Description(s)
1	5379 RAMP RACER

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 – Migration of Certain Elements

Test Method : Reference to BS EN 71-3:2019 Analysis by ICP-MS.

Test Item(s)	Item / Component Description(s)
1	SOLID WOOD
2	PLYWOOD
3	WHITE COATING ON WOOD
4	YELLOW COATING ON WOOD
5	LACQUER COATING ON WOOD
6	RED COATING ON WOOD
7	DARK BLUE COATING ON WOOD
8	BLACK COATING ON WOOD
9	DARK BROWN COATING ON WOOD
10	DARK GREEN COATING ON WOOD
11	BLACK PLASTIC

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	1021	40	ND
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	ND
Chromium III (Cr III)	mg/kg	460	0.04	0.03	0.16	0.50	2.63
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	ND	ND	ND
Manganese (Mn)	mg/kg	15000	16	15	ND	11	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	25	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS	PASS

-	Unit	Req.	Result				
Test Item(s)	-	-	6	7	8	9	10
Category Type	-	III	III	III	III	III	III
Aluminium (Al)	mg/kg	28130	19	2116	16	61	122
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	0.6	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	92	335
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	0.76	1.10	0.20	0.62	0.15
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	1.43	2.73	1.17	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND	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	13	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS	PASS



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TEST RESULT(S): (Continued)

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

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.