



TEST REPORT

Report No. 010121050069R1

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 19/05/2021

Test Period : FROM 19/05/2021 TO 25/05/2021

Sample Description : MELODY XYLOPHONE

Product Code : 6416

Age Grade : 3Y+

Manufacturer : /

Country of Destination : /

Country of Origin : THAILAND

**Report was revised as per client request and shall supersede Report# 010121050069, dated 25 May 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:

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LABORATORY MANAGER

APPROVED BY:

SUZEN CHONG
SENIOR VICE PRESIDENT

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SAMPLE PHOTO



SAMPLE PHOTO

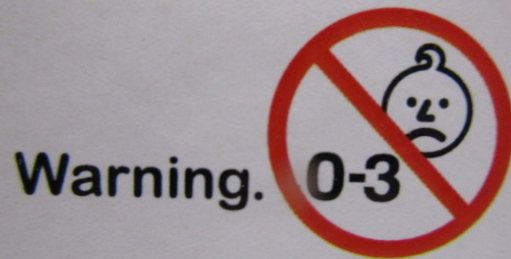
Melody Xylophone

Strike a note with this brilliantly colored xylophone. The eight colored bars produce musical notes true to scale. Features a holder underneath the base for the mallet.

Xylophon mit Melodie

Schlage einen Ton an mit diesem farbigen Xylophon. Die acht bunten Klangstangen erzeugen Töne nach einer musikalisch authentischen Tonleiter. Verfügt über einen Halter unterhalb des Bodens für den Holzhammer.

Xylophone Mélodieux



PLAN CREATIONS CO., LTD.
114/1 Soi Sathorn 10, North Sathorn Road,
Bangrak, Bangkok 10500.

Sustainably made in Thailand

ISO 9001, ISO 14001, OHSAS 18001, SA 8000 Certified
EPA TSCA Title VI / 40 CFR Part 770 compliant for formaldehyde

Conforms to
ASTM



MBF. 685-2540



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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: 6416 Melody Xylophone

Components

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

Solid Wood
Plywood
Lacquer Coating On Wood
Cream Rubber
Red Sheet Metal Stamping C-High Voice (200c)
Blue Sheet Metal Stamping B (300c)
Blue Sheet Metal Stamping A (299c)
Green Sheet Metal Stamping G (348c)
Green Sheet Metal Stamping F (375c)
Yellow Sheet Metal Stamping E (108c)
Orange Sheet Metal Stamping D (1375c)
Red Sheet Metal Stamping C-Low Voice (485c)

Report Number

120070114
120070114
120070120
010121030114
010121030116
010121030115
010121030115
010121030117
010121030117
010121030117
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Date of Issue

23 JUL 2020
23 JUL 2020
23 JUL 2020
23 MAR 2021
23 MAR 2021
23 MAR 2021
23 MAR 2021
23 MAR 2021
23 MAR 2021
23 MAR 2021
23 MAR 2021
23 MAR 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	6416 Melody Xylophone

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	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	M
4.20.2.10	Wind toys	NA
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

NR = Not Requested

NM = Not Meet

NT = Not Tested

NA = Not Applicable

NP = Not Present

R = Refer to Comment Section



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TEST RESULT(S): (Continued)

Test Item(s)	6416 Melody Xylophone		
	Req.	Unit	Result
A-weighted time-averaged emission sound pressure level (L_{pA})	85	dB	77.2
C-weighted peak emission sound pressure level (L_{pCpeak})	130	dB	99.8
Conclusion	-	-	PASS

ISO 8124-8:2016 Age Determination Guidelines

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

Claimed Age Grade	Recommended Age Grade
3Y+	3Y+

EN 71-2:2020 - Flammability

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

Test Item(s)	Item / Component Description(s)
1	6416 Melody Xylophone

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

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

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	Plywood
3	Lacquer Coating On Wood
4	Cream Rubber
5	Red Sheet Metal Stamping C-High Voice (200c)
6	Blue Sheet Metal Stamping B (300c)
7	Blue Sheet Metal Stamping A (299c)
8	Green Sheet Metal Stamping G (348c)
9	Green Sheet Metal Stamping F (375c)
10	Yellow Sheet Metal Stamping E (108c)
11	Orange Sheet Metal Stamping D (1375c)
12	Red Sheet Metal Stamping C-Low Voice (485c)

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	ND	ND	19
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND	1.24
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND	295
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	0.25	0.11	0.04	1.30
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	26	32	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	67
Tin (Sn)	mg/kg	180000	3.75	0.96	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	10	15	ND	606	10
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	36	56	52	68	41
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	1.31	1.86	1.18	2.38	1.27
Barium (Ba)	mg/kg	18750	288	324	390	299	384
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	6.40	22	2.40	3.30	2.60
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	ND	14	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	11	ND	10	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	11	12	ND	16	10
Tin (Sn)	mg/kg	180000	1.36	1.06	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	18	19	11	10	15
Conclusion	-	-	PASS	PASS	PASS	PASS	PASS



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TEST RESULT(S): (Continued)

-	Unit	Req.	Result	
Test Item(s)	-	-	11	12
Category Type	-	III	III	III
Aluminium (Al)	mg/kg	28130	63	10
Antimony (Sb)	mg/kg	560	ND	ND
Arsenic (As)	mg/kg	47	1.88	1.18
Barium (Ba)	mg/kg	18750	220	185
Boron (B)	mg/kg	15000	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	2.10
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	1.17	ND
Manganese (Mn)	mg/kg	15000	ND	ND
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	17	332
Tin (Sn)	mg/kg	180000	ND	ND
Organic tin	mg/kg	12	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND
Conclusion	-	-	PASS	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.