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Products

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Client: PLAN CREATIONS CO., LTD.
8 Moo 8, Trang-Palian Rd., Yantakao, Trang 92140 Thailand

Identification/Model No(s): DRUM SET
6440

Sample Receiving date: 2020-08-07

Testing Period: 2020-08-07 – 2020-08-17

Test Specification: **Test result:**

Test parameter were selected by client;

- | | |
|--|------|
| 1. EN 71 Part 1: 2014 + A1: 2018 Mechanical and physical properties
(Excluding clause 7 name and address of the importer) | PASS |
| 2. EN 71 Part 2: 2011 + A1: 2014 Flammability | PASS |
| 3. EN 71 Part 3: 2019 Migration of certain elements | PASS |
| 4. Total Cadmium Content in accordance to: REACH regulation (EC) No.1907/2006
and amendment no. 552/2009 Annex XVII Item 23 (formerly known as 91/338/EEC) | PASS |
| 5. Phthalates content in accordance to: REACH regulation (EC) No.1907/2006 and
amendment no. 2018/2005 Annex XVII Item 51 & 52 (formerly known as 2005/84/EC) | PASS |

Other information:

Label Age Grading: 3Y+

The appropriate age grade of the item(s) : For age more than 3 years (according to CR 14379: 2002)

The item was tested for children over 36 months.

Country of Origin: Thailand

For and on behalf of

TÜV Rheinland Thailand Ltd.



2020-08-24

Chonnawat Kapillakan / Manager

Date

Name/Position

Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.



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<i>Test Specification</i>	<i>Result</i>
EN 71 Part 1: 2014 + A1: 2018 Mechanical and physical properties	Pass
2009/48/EC CE marking	Pass
2009/48/EC Labeling Requirement (Importer/ Manufacturer Mark, Product Identification, Washing/ Cleaning Instruction)	Pls refer to result table
EN 71 Part 2: 2011 + A1: 2014 Flammability	Pass
EN 71 Part 3: 2019 Migration of certain elements	Pass

2009/48/EC Labeling Requirement

(Importer/ Manufacturer Mark, Product Identification, Washing/ Cleaning Instruction)

Importer/ Manufacturer mark (European company name and address)	n.p.
Product Identification – type, batch, serial or model number	Present
Washing/ cleaning Instruction	n.a.
Food package	n.a.
User limitations	n.a.
Instruction of hygiene	n.a.

Remark: n.a. = not applicable
 n.p. = not provided by the applicant

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1. Mechanical and physical properties

Test Method: EN 71 Part 1: 2014 + A1: 2018

4 General requirements	
4.1 Material cleanliness	Pass
4.2 Assembly	Pass
4.3 Flexible plastic sheeting	n.a.
4.4 Toy bags	n.a.
4.5 Glass	n.a.
4.6 Expanding materials	n.a.
4.7 Edges	Pass
4.8 Points and metallic wires	Pass
4.9 Protruding parts	Pass
4.10 Parts moving against each other	n.a.
4.11 Mouth-actuated toys and other toys intended to be put in the mouth	n.a.
4.12 Balloons	n.a.
4.13 Cords of toy kites and other flying toys	n.a.
4.14 Enclosures	n.a.
4.15 Toys intended to bear the mass of a child	n.a.
4.16 Heavy immobile toys	n.a.
4.17 Projectiles toys	n.a.
4.18 Aquatic toys and inflatable toys	n.a.
4.19 Percussion caps specifically designed for use in toys and toys using percussion caps	n.a.
4.20 Acoustics*	Pass
4.21 Toys containing a non-electrical heat source*	n.a.
4.22 Small balls	n.a.
4.23 Magnets*	n.a.
4.24 Yo-yo balls*	n.a.
4.25 Toys attached to food*	n.a.
4.26 Toy Disguise Costumes*	n.a.
4.27 Flying toys*	n.a.

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5 Toys intended for children under 36 months	
5.1 General requirements	n.a.
5.2 Soft-filled toys and soft-filled parts of a toy	n.a.
5.3 Plastic sheeting	n.a.
5.4 Cords, chains and electrical cables in toys	n.a.
5.5 Liquid-filled toys	n.a.
5.6 Speed limitation of electrically-driven ride-on toys*	n.a.
5.7 Glass and porcelain	n.a.
5.8 Shape and size of certain toys	n.a.
5.9 Toys comprising monofilament fibres	n.a.
5.10 Small balls	n.a.
5.11 Play figures	n.a.
5.12 Hemispheric-shaped toys	n.a.
5.13 Suction cups	n.a.
5.14 Strap intended to be worn fully or partially around the neck	n.a.
5.15 Sledges with cords for pulling	n.a.
6 Packaging	n.a.
7 Warnings and instructions for use	
<i>The correct adherence to all requirements according to directive 2009/48/EC in regards to the marking (name or trademark and contact address of the manufacturer respectively the marking for identification (type-, batch-, model- or serial no.) of the toy can only be confirmed by the manufacturer, his delegate or the person who brings it onto the market. The existing indications were recorded; however, they can not be evaluated in the frame of this test.</i>	
7.1 General	Pass
Remark: <i>The English language version of the caution notice including the signal word "warning" corresponds to the Directive regarding the Safety of Toys (2009/48/EC) and EN 71-1:2011.</i>	
7.2 Toys not intended for children under 36 months	Pass
7.3 Latex balloons	n.a.
7.4 Aquatic toys	n.a.
7.5 Functional toys	n.a.
7.6 Hazardous sharp functional edges and points	n.a.
7.7 Projectiles toys	n.a.
7.8 Imitation protective masks and helmets	n.a.
7.9 Toy kites	n.a.

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7.10 Roller skates, inline skates, skateboards and certain other ride-on toys	n.a.
7.11 Toys intended to be strung across a cradle, cot, or perambulator	n.a.
7.12 Liquid-filled teethingers	n.a.
7.13 Percussion caps specifically designed for use in toys	n.a.
7.14 Acoustics	n.a.
7.15 Toy bicycles	n.a.
7.16 Toys intended to bear the mass of a child	n.a.
7.17 Toys comprising monofilament fibres	n.a.
7.18 Toy scooters	n.a.
7.19 Rocking horses and similar toys	n.a.
7.20 Magnetic/ electrical experimental sets	n.a.
7.21 Toys with electrical cables exceeding 300 mm in length	n.a.
7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months	n.a.
7.23 Toys intended to be attached to a cradle, cot or perambulator	n.a.
7.24 Sledges with cords for pulling	n.a.
7.25 Flying toys	n.a.
7.26 Improvised projectiles	n.a.

Sound producing toys test

Test Standard : European Standard on Safety of toys EN 71-1 : 2014+A1:2018, clause 4.20 for acoustics.

Section	Test item	Assessment
4.20.2.1	General	Pass
4.20.2.2	Close-to-the-ear toys	n.a.
4.20.2.3	Table-top or floor toys	n.a.
4.20.2.4	Hand-held toys	n.a.
4.20.2.5	Toys using headphones or earphones	n.a.
4.20.2.6	Rattles	n.a.
4.20.2.7	Squeeze toys	n.a.
4.20.2.8	Pull-along or push toys	n.a.
4.20.2.9	Percussion toys	Pass
4.20.2.10	Wind toys	n.a.
4.20.2.11	Cap-firing toys	n.a.
4.20.2.12	Voice toys	n.a.

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Measured data

Tested component	A-weighted time-averaged emission sound pressure level (Aeq)	Limit (dB)
Solid Drum Set A (With hole)	85	85

Tested component	C-weighted emission peak sound pressure level (Cpk)	Limit (dB)
Solid Drum Set A (With hole)	98	130

Remark:

n.a. = not applicable

Note: The text of this note is for information only.

- Toys made available on the market shall bear the CE marking. The CE marking shall be affixed visibly, legibly and indelibly to the toy, to an affixed to a label or an accompanying leaflet. Where the CE marking is not visible from outside the packaging, if any, it shall as a minimum be affixed to the packaging. Where specific legislation does not impose specific dimensions, the CE marking shall be at least 5 mm high.

- The manufacturer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.

- Manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

- Manufacturers and importer shall ensure that the toy is accompanied by instructions and safety information in a language or languages easily understood by consumers, as determined by the Member State concerned.

- A Member State may, within its territory, stipulate that warnings and safety instructions shall be written in a language or languages easily understood by consumers, as determined by that Member State.

- Information relating to the age grading of toys and, in particular, which toys are intended for children under 36 months and which toys are not, can be found in CR 14379, the CPSC Age determination guidelines, CEN Guide 11 and the European Commission's Guidance Documents.

- * The accreditation ISO/IEC 17025 is not cover the test item.

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2. Flammability test

Test Method: EN 71 Part 2: 2011 + A1: 2014

4 Requirements	
4.1 General requirements	Pass
4.2 Toys to be worn on the head	n.a.
4.2.1 General	n.a.
4.2.2 Beards, moustaches, wig etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper, cloth strands or other flowing elements), which protrude 50 mm or more from the surface of the toy	n.a.
4.2.3 Beards, moustaches, wigs etc. made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper, cloth strands or other flowing elements), which protrude less than 50 mm from the surface of the toy	n.a.
4.2.4 Full or partial moulded head masks	n.a.
4.2.5 Flowing elements of toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, head-dresses etc. and masks not covered by 4.2.4 which partially or fully cover the head (e.g. fabric and cardboard masks, eye masks, face masks), but excluding those items covered by 4.3	n.a.
4.3 Toy disguise costumes and toys intended to be worn by a child in play	n.a.
4.4 Toys intended to be entered by a child	n.a.
4.5 Soft-filled toys	n.a.

Remark:

n.a. = not applicable



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Material list

Material No.	Material	Color	Location
M001	Wood	Natural	Drum
M002	Coating	Clear Lacquer with Brown	Drum
M003	Rubber	Grey	Rubber
M004	Rubber	Red	Rubber
M005	Metal	Silver	Plate
M006	Metal with coated	Copper	Screw
M007	Metal with coated	Black	Screw

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3. EN 71-3 Migration of certain elements

Test Method: Test portion was extracted with acid according to EN 71 Part 3: 2019, determination by ICP-MS.

Test Item(s)	Unit	RL	Result	Result	Result	Limit
			M001	M002	M003(*)	
Type			III	III	III	III
Aluminium (Al)	mg/kg	2	4	11	n.d.	70 000 / 28 130*
Antimony (Sb)	mg/kg	1	n.d.	n.d.	n.d.	560
Arsenic (As)	mg/kg	2	n.d.	n.d.	n.d.	47
Barium (Ba)	mg/kg	0.2	1.5	7.5	0.5	18 750
Boron (B)	mg/kg	1	3	1	n.d.	15 000
Cadmium (Cd)	mg/kg	0.2	n.d.	n.d.	n.d.	17
Chromium III (Cr III)	mg/kg	5	n.d.	n.d.	n.d.	460
Chromium VI (Cr VI)	mg/kg	0.025	n.d.	n.d.	n.d.	0.053
Cobalt (Co)	mg/kg	0.2	n.d.	n.d.	n.d.	130
Copper (Cu)	mg/kg	0.2	2.2	0.3	n.d.	7 700
Lead (Pb)	mg/kg	2	n.d.	n.d.	n.d.	23
Manganese (Mn)	mg/kg	0.2	23.1	47.4	0.6	15 000
Mercury (Hg)	mg/kg	2.0	n.d.	n.d.	n.d.	94
Nickel (Ni)	mg/kg	0.2	1.2	n.d.	n.d.	930
Selenium (Se)	mg/kg	1	n.d.	n.d.	n.d.	460
Strontium (Sr)	mg/kg	0.2	9.3	68.1	3.9	56 000
Tin (Sn)	mg/kg	2	n.d.	n.d.	n.d.	180 000
Organic tin	mg/kg	0.5	n.d.	n.d.	n.d.	12
Zinc (Zn)	mg/kg	1	17	417	416	46 000
Conclusion	-	--	Pass	Pass	Pass	--

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Test Item(s)	Unit	RL	Result	Limit
			M004(*)	
Type			III	III
Aluminium (Al)	mg/kg	2	3	70 000 / 28 130*
Antimony (Sb)	mg/kg	1	n.d.	560
Arsenic (As)	mg/kg	2	n.d.	47
Barium (Ba)	mg/kg	0.2	1.3	18 750
Boron (B)	mg/kg	1	n.d.	15 000
Cadmium (Cd)	mg/kg	0.2	n.d.	17
Chromium III (Cr III)	mg/kg	5	n.d.	460
Chromium VI (Cr VI)	mg/kg	0.025	n.d.	0.053
Cobalt (Co)	mg/kg	0.2	n.d.	130
Copper (Cu)	mg/kg	0.2	n.d.	7 700
Lead (Pb)	mg/kg	2	n.d.	23
Manganese (Mn)	mg/kg	0.2	0.6	15 000
Mercury (Hg)	mg/kg	2.0	n.d.	94
Nickel (Ni)	mg/kg	0.2	n.d.	930
Selenium (Se)	mg/kg	1	n.d.	460
Strontium (Sr)	mg/kg	0.2	8.5	56 000
Tin (Sn)	mg/kg	2	n.d.	180 000
Organic tin	mg/kg	0.5	n.d.	12
Zinc (Zn)	mg/kg	1	342	46 000
Conclusion	-	--	Pass	--

Abbreviation: n.d. denotes Not Detected (<RL)
 RL denotes Reporting Limit
 mg/kg denotes Milligram per kilogram

Note:

- List of material type as below:

List of Material Types :	
type	Material Description
I	Dry, Brittle , powder-like or pliable material
II	Liquid or sticky toy material
III	Scraped off toy material

2. * According to WTO document number 18-7767, point 13 under Part III of Annex II to Directive 2009/48/EC and it's amending Commission Directive (EU) 2019/1922 revision of TSD. Migration Limit for Aluminum (mg/kg) has been amended. The new limit shall apply the provisions from 20 May 2021.

3. Determination of Chromium III, Chromium VI and Organic tin was based on elemental analysis.

4. (*) test result were referred from Test report No. 00003076-01 issued date 29.07.2020 and No.242122081-01 issue date 06.08.2020.

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2. Total Cadmium Content

Test Method: Test portion was digested with acid according to EN 1122: 2001 (method B), determine by ICP-OES.

Test No.	Material No.	Cadmium Content [mg/kg]		Limit
		RL: 2		
		Result		
T001	M001	n.d.		100
T002	M004(*)	n.d.		100
T003	M006	n.d.		100
T004	M007	n.d.		100

Abbreviation: n.d. denotes Not Detected (<RL)
 RL denotes Reporting Limit
 mg/kg denotes Milligram per kilogram

Remark: (*) test result were referred from Test report No.242122081-01 issue date 06.08.2020.

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3. Phthalates Content

Test Method: With reference to EN 14372: 2004.Extraction with organic solvent, determination by GC-MS.

Parameter	CAS No.	Unit	Material No.		M002	M003(*)
			Limit	RL	Result	Result
Dibutyl phthalate (DBP)	84-74-2	%	--	0.002	n.d.	n.d.
Benzylbutyl phthalate (BBP)	85-68-7	%	--	0.002	n.d.	n.d.
Diethylhexyl phthalate (DEHP)	117-81-7	%	--	0.002	n.d.	n.d.
Diisobutyl phthalate (DIBP)	84-69-5	%	--	0.002	n.d.	n.d.
Sum (DBP+BBP+DEHP)		%	0.1	NA	n.d.	n.d.
Sum (DBP+BBP+DEHP+DIBP)		%	0.1	NA	n.d.	n.d.
Di-n-octyl phthalate (DNOP)	117-84-0	%	--	0.002	n.d.	n.d.
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	--	0.008	n.d.	n.d.
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	--	0.008	n.d.	n.d.
Sum (DNOP + DIDP + DINP)		%	0.1	NA	n.d.	n.d.

Parameter	CAS No.	Unit	Material No.		M004(*)
			Limit	RL	Result
Dibutyl phthalate (DBP)	84-74-2	%	--	0.002	n.d.
Benzylbutyl phthalate (BBP)	85-68-7	%	--	0.002	n.d.
Diethylhexyl phthalate (DEHP)	117-81-7	%	--	0.002	n.d.
Diisobutyl phthalate (DIBP)	84-69-5	%	--	0.002	n.d.
Sum (DBP+BBP+DEHP)		%	0.1	NA	n.d.
Sum (DBP+BBP+DEHP+DIBP)		%	0.1	NA	n.d.
Di-n-octyl phthalate (DNOP)	117-84-0	%	--	0.002	n.d.
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	--	0.008	n.d.
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	--	0.008	n.d.
Sum (DNOP + DIDP + DINP)		%	0.1	NA	n.d.

Abbreviation: n.d. = Not Detected (<RL)
 NA = Not Applicable
 RL = Reporting Limit
 % = Percentage
 -- = Not regulated



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Remark:

1. Single components with an amount of <0.002% and <0.008% were not considered by the calculation of the sum. In the case of all 7 Phthalates were not detected, the result is stated n.d.

2. Requirement is defined as below table

Requirements	Maximum Permissible Limit/%
REACH regulation (EC) No. 1907/2006 and amendment no. 2018/2005 Annex XVII Item 51 & 52 (formerly known as 2005/84/EC)	
Substance or mixture in toys and childcare articles	Sum (DBP + BBP + DEHP+DIBP) ≤0.1%
Toys and childcare articles (Placed on the market within 7 July, 2020)	Sum (DBP + BBP + DEHP) ≤0.1%
Toys and childcare articles (Placed on the market After 7 July, 2020)	Sum (DBP + BBP + DEHP+DIBP) ≤0.1%
Toys and childcare articles, which can be placed in mouth by children	Sum (DINP + DNOP + DIDP) ≤0.1%

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Sample photo:



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