

Report No.: **158241679a 003**

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Client: ONE FOR FUN LIMITED

Contact Information: 3-5 Cambuslang Way, Gateway Office Park, Cambuslang, Glasgow, G32 8ND

Manufacturer's name: 601697

Test item(s): Toys

**Identification/
Model No(s):** WOODEN UNICORN AND DRAGON YOYOS

Item no.: 38186 (38186FSC)

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2021-10-28

Testing Period: 2021-11-01 to 2021-11-03

Place of testing: Chemical laboratory Hong Kong, Toys laboratory Hong Kong

Test Specification:

Please refer to "Test Result Summary List" on page 2 for details

Other information:

Country of Origin: China

The provided age grade of the item(s) : Not Provided

As per client request, the item(s) was/ were tested for the age of over 5 years.

Packaging provided: No

Our reference no. of this report: 158241679a 002

For and on behalf of
TÜV Rheinland Hong Kong Ltd.



Amenda Yung/
Project Manager

2023-01-11

Date

Name/Position



Wong Yiu Tong , Tommy/
Senior Lab Manager

2023-01-11

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned 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.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

Test Result Summary :***Test Specification:***

- 1 EN 71-1:2014+A1:2018 Mechanical and physical properties
(As per client request, Clause 7 - Warnings and instructions and 2009/48/EC
Labeling requirement were excluded in this test report)
- 2 EN 71-2:2020 Flammability
- 3 EN 71-3:2019+A1:2021 Migration of 19 Elements
- 4 Total Cadmium Content - REACH regulation (EC) No. 1907/2006 Annex XVII
Item 23 and its amendments (EC) No. 552/2009, (EU) No. 494/2011, (EU) No.
835/2012 and (EU) No. 217/2016.
- 5 REACH regulation (EC) No. 1907/2006 and its amendment regulations on Annex
XVII entry 51 and entry 52 : Phthalates

Test result:

PASS

PASS

PASS

PASS

PASS

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Material List:

Item: WOODEN UNICORN AND DRAGON YOYOS

Item no.: 38186 (38186FSC)

Material No.	Material	Color	Location
M001	Whole Product	Multicolor	Whole product
M002	Coating	Blue multicolor	Yoyo
M003	Coating	Pink multicolor	Yoyo
M004	Textile	White	String
M005	Wood	Brown	Yoyo

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1. EN 71-1:2014+A1:2018 Mechanical and physical properties

Test No:	T001
Material No:	M001
4. General requirements	
4.1 Material cleanliness	PASS
4.7 Edges	PASS
4.8 Points and metallic wires	PASS
7. Warnings, markings and instructions for use	
7.1 General	Not Conducted
7.2 Toys not intended for children under 36 months	Not Conducted
7.3 Latex balloons	Not Conducted
7.4 Aquatic toys	Not Conducted
7.5 Functional toys	Not Conducted
7.6 Hazardous sharp functional edges and points	Not Conducted
7.7 Projectile toys	Not Conducted
7.8 Imitation protective masks and helmets	Not Conducted
7.9 Toy kites	Not Conducted
7.10 Roller skates, inline skates, skateboards and certain other ride-on toys	Not Conducted
7.11 Toys otherwise intended to be strung across a cradle, cot, or perambulator	Not Conducted
7.12 Liquid-filled teethingers	Not Conducted
7.13 Percussion caps specifically designed for use in toys	Not Conducted
7.14 Acoustics	Not Conducted
7.15 Toy bicycles	Not Conducted
7.16 Toys intended to bear the mass of a child	Not Conducted
7.17 Toys comprising monofilament fibres	Not Conducted
7.18 Toy scooters	Not Conducted
7.19 Rocking horses and similar toys	Not Conducted
7.20 Magnetic/ electrical experimental sets	Not Conducted

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7.21 Toys with electrical cables exceeding 300 mm in length	Not Conducted
7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months	Not Conducted
7.23 Toys intended to be attached to a cradle, cot or perambulator	Not Conducted
7.24 Sledges with cords for pulling	Not Conducted
7.25 Flying toys	Not Conducted
7.26 Improvised projectiles	Not Conducted

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.

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2. EN 71-2:2020 Flammability**Test result:**

Test No:	T001
Material No.	M001
4.1 General requirements	PASS

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.

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3. EN 71-3:2019+A1:2021 Migration of 19 Elements

Test Method: with reference to EN 71-3:2019+A1:2021, analyzed by ICP-OES / ICP-MS / LC-ICP-MS/IC-UV/GC-MS.

3) For scraped-off toy materials:
Test Result:

Test No.				T001	T002	T003
Material No.				M002	M003	M004
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	57	146	< RL
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	18,750	4.0	6.2	2.7
Boron (B)	mg/kg	10	15,000	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL	< RL	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	< RL
Copper (Cu)	mg/kg	2.5	7,700	2.6	< RL	< RL
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL	5.4	< RL
Mercury (Hg)	mg/kg	2.5	94	< RL	< RL	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL	< RL	< RL
Selenium (Se)	mg/kg	10	460	< RL	< RL	< RL
Strontium (Sr)	mg/kg	2.5	56,000	< RL	45.3	2.5
Tin (Sn)	mg/kg	1.0	180,000	< RL	< RL	< RL
Organic Tin^	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	105	300	< RL

Abbreviation:

- < less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- ^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal

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Test Result:

Test No.				T004
Material No.				M005
Test Parameter	Unit	RL	Regulatory Requirement	Result
Aluminium (Al)	mg/kg	10	28,130	20
Antimony (Sb)	mg/kg	5	560	< RL
Arsenic (As)	mg/kg	5	47	< RL
Barium (Ba)	mg/kg	2.5	18,750	12.9
Boron (B)	mg/kg	10	15,000	< RL
Cadmium (Cd)	mg/kg	1	17	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL
Copper (Cu)	mg/kg	2.5	7,700	< RL
Lead (Pb)	mg/kg	2.5	23	< RL
Manganese (Mn)	mg/kg	2.5	15,000	23.9
Mercury (Hg)	mg/kg	2.5	94	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL
Selenium (Se)	mg/kg	10	460	< RL
Strontium (Sr)	mg/kg	2.5	56,000	20.1
Tin (Sn)	mg/kg	1.0	180,000	< RL
Organic Tin^	mg/kg	0.2	12	-
Zinc (Zn)	mg/kg	10	46,000	22

Abbreviation:

- < less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- ^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal

Remark:

* Categorization of toys materials is based on the material texture. According to point H.11 of Annex H to EN 71-3:2019+A1:2021, cosmetic materials with dry, brittle, powder like or pliable texture such as lipstick and eyeshadow are considered as category I materials. However, as a reminder, it cannot preclude the possibility that some national enforcement authorities might take a more stringent action to treat cosmetic materials as sticky and evaluate according to category II requirement as they are intended to be applied on skin and retained for long time.

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4.Total Cadmium Content

Test Method: For plastic: EN 1122:2001 (method B)
 For metal and other material: Acid digestion, analyzed by AAS/ ICP-OES

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M002	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	-
		Average	mg/kg	10	-
T002	M003	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	-
		Average	mg/kg	10	-

Abbreviation: < = less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Remark:

- * Requirements for Cadmium content according to Annex XVII Entry 23 of Regulation (EC) No 1907/2006 (REACH) and its amendments
 - Mixtures and articles produced from plastic material < 0.01 % (100 mg/kg)
 - Coated / painted articles < 0.1 % (1000 mg/kg)
 - Jewellery components < 0.01 % (100 mg/kg)
 - Paints and varnishes (excluding the applicable exemptions) < 0.01 % (100 mg/kg)
- ** Swiss requirements for cadmium content according to the Switzerland Chemikalien-Risikoreduktions-Verordnung- ChemRRV, 814.81
 - Mixtures and articles produced from plastic material < 0.01 % (100 mg/kg)
 - Articles / objects treated with paints / coating with cadmium is prohibited
 - Paints and varnishes < 0.01 % (100 mg/kg)

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5. Phthalates content

Test Method: Ref. to CPSC-CH-C1001-09.4

Test Result:

Test No.				T001	T002
Material No.				M002	M003
Test Parameter	CAS NO	Unit	RL	Result	Result
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.005	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.005	<RL	<RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.005	<RL	<RL
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment regulations on Annex XVII entries 51 and 52				Pass	Pass

Abbreviation: < = less than
 RL = Reporting Limit
 % = percentage

Remark:

- Requirement of REACH regulation (EC) No. 1907/2006 and its amendment Annex XVII entries 51 and 52:

Parameter	Unit	Maximum Permissible Limit
Plasticised materials in toys and childcare articles, or other articles# place on the market;		
Diethylhexyl phthalate (DEHP) Dibutyl phthalate (DBP) Benzylbutyl phthalate (BBP) Diisobutyl phthalate (DIBP)	%	0.1 (individually or sum of the four phthalates) Effective after 7 July 2020.
Plasticised materials in children's toy and childcare articles which can be placed in the mouth by children:		
Di-n-octyl phthalate (DNOP) Diisodecyl phthalate (DIDP) Diisononyl phthalate (DINP)	%	0.1 (sum of the three phthalates)

Denote:

Examples of articles that are excluded from the restriction

- Articles exclusively for industrial / agricultural use / use in open air, provided that no plasticised material comes into contact with human mucous membranes or into prolonged contact with human skin (i.e. Continuous contact of more than 10 minutes duration or intermittent contact over a period of 30 minutes, per day.)

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- 2) Aircraft and motor vehicles (Directive 2007/46/EC) placed on the market before 7 January 2024, or articles for use exclusively in the maintenance or repair of them
- 3) Measuring devices for laboratory use;
- 4) Food contact material and articles within the scope of Regulation (EC) No 1935/2004 or Commission Regulation (EU) No 10/2011
- 5) Medical devices (Directive 90/385/EEC, 93/42/EEC or 98/79/EC)
- 6) Electrical and electronic equipment within the scope of Directive 2011/65/EU
- 7) Immediate packaging of medicinal products (Regulation (EC) No 726/2004, Directive 2001/82/EC or Directive 2001/83/EC)
- Single component with an amount below reporting limit was not considered by the calculation of the sum. In the case of all phthalates were not detected, the result is stated <RL.

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Sample Photos



- END -

