



Test Report

Report No. A2210539163101

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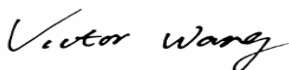
Company Name ONE FOR FUN LIMITED**shown on Report****Address** 3-5 CAMBUSLANG WAY, GATEWAY OFFICE PARK, CAMBUSLANG,
GLASGOW, G32 8ND**The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client**

Sample Name	DINOSAUR TUB LARGE
Item No.	SV10411
Supplier	USD068
Country of Origin	China
Exported to	Europe
Client Specified Age Grading	3+
Labeled Age Grading	3+
Age Group Applied in Testing	Over 3 years
Sample Received Date	Dec. 21, 2021
Sample Resubmitted Date	Dec. 24, 2021/Jan. 4, 2022/ Jan. 12, 2022
Testing Period	Dec. 21, 2021 to Jan. 13, 2022

Test Conducted:

As requested by the applicant. For details refer to next page(s)

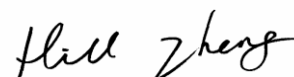
Approved by



Victor Wang

Lab Manager

Jan. 13, 2022



Hill Zheng

Technical Manager

No. T490151970



Centre Testing International Group Co., Ltd.

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

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Executive Summary:

TEST REQUEST

- 1) EN 71-1:2014+A1:2018 European Standard on Safety of Toys
 - Mechanical and Physical Properties(ex labeling)
- 2) EN 71-2:2020 European Standard on Safety of Toys
 - Flammability
- 3) EN 71-3:2019+A1:2021 European Standard on Safety of Toys
 - Migration of certain elements
- 4) Annex XVII of European regulation (EC) No. 1907/2006 (REACH) with Amendment(s)
 - Cadmium and its compounds
 - Phthalates in plasticized materials

CONCLUSION

PASS

PASS

PASS

PASS

PASS

***** For further details, please refer to the following page(s) *****

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1) EN 71-1:2014+A1:2018 European Standard on Safety of Toys**▼ Mechanical and Physical Properties**

As specified in European Standard on Safety of Toys EN 71 part 1:2014+A1:2018.

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	General requirements	
4.1	Material cleanliness.....	Pass
4.3	Flexible plastics sheeting.....	Pass
4.7	Edges.....	Pass
4.8	Points and metallic wires.....	Pass
7	Warnings, markings and instructions for use.....	N/C

N/C= Not Conducted

Note:

- Result(s) shown of tested clause(s) (4.3) is/are based on resubmitted sample(s)/part material(s).
- Only applicable clause(s) was/ were shown.

2) EN 71-2:2020 European Standard on Safety of Toys**▼ Flammability**

As specified in European Standard on Safety of Toys EN 71-2:2020.

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	Requirements	
4.1	General requirements (The following materials shall not be used in the manufacture of toys except as provided in EN 71-2:2020: Celluloid, highly flammable solids, materials with a piled surface which produce surface flash, flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels.)	Pass

Note:

- Only applicable clause(s) was/ were shown.

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3) **EN 71-3:2019+A1:2021 European Standard on Safety of Toys**▼ **Migration of certain elements**

Method(s) EN 71-3:2019+A1:2021 was/were used, and the item(s) was/were analyzed by ICP-OES, ICP-MS, IC-UV and/or GC-MS.

Category III: scraped-off toy material

Tested Item(s)	Result (mg/kg)					MDL (mg/kg)	Limit (mg/kg)
	001	002	003	004	005		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	1	17
Chromium (III) #1	N.D.	0.3	N.D.	N.D.	N.D.	0.2	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	0.002	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	1	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn) #2	N.D.	N.D.	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) #3	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

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<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>					<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	006	007	008	009	010		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	1	17
Chromium (III) ^{#1}	N.D.	N.D.	N.D.	N.D.	1.9	0.2	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	0.002	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	2	1	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N.D.	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

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<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>					<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	011	012	013	014	015		
Aluminium (Al)	N/A	N/A	N.D.	N.D.	54	50	28130
Antimony (Sb)	N/A	N/A	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N/A	N/A	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N/A	N/A	N.D.	N.D.	N.D.	50	18750
Boron (B)	N/A	N/A	N.D.	N.D.	122	50	15000
Cadmium (Cd)	N/A	N/A	N.D.	N.D.	N.D.	1	17
Chromium (III) ^{#1}	N/A	N/A	0.4	N.D.	1.3	0.2	460
Chromium (VI)	N/A	N/A	N.D.	N.D.	N.D.	0.002	0.053
Cobalt (Co)	N/A	N/A	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N/A	N/A	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N/A	N/A	N.D.	N.D.	N.D.	1	23
Manganese (Mn)	N/A	N/A	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N/A	N/A	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N/A	N/A	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N/A	N/A	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N/A	N/A	N.D.	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N/A	N/A	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	N/A	N/A	N.D.	N.D.	N.D.	0.05	12
Zinc (Zn)	N/A	N/A	N.D.	N.D.	N.D.	50	46000

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Tested Item(s)	Result (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
	016	017	018		
Aluminium (Al)	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	1	17
Chromium (III) ^{#1}	N.D.	N.D.	0.8	0.2	460
Chromium (VI)	N.D.	N.D.	N.D.	0.002	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	1	23
Manganese (Mn)	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	N.D.	N.D.	N.D.	0.05	12
Zinc (Zn)	N.D.	62	N.D.	50	46000

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Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Filter paper was used instead of membrane filter in lab testing.
- N/A = Not Applicable, indicates the test portion(s) is/are less than 10mg, therefore such components was/were not tested for migration of certain elements, as specified in the European standard on safety of toys EN 71-3:2019+A1:2021, clause 7 – selection of test portions.
- Where the test portion has a mass of between 10mg and 100mg, the quantity of the appropriate elements shall be calculated as if 100mg of the test portion had been used. (tested sample: 010 sample weight: 55.3mg, 013 sample weight: 55.5mg, 014 sample weight: 46.7mg, 015 sample weight: 77.6mg, 016 sample weight: 47.9mg, 017 sample weight: 68.9mg, 018 sample weight: 42.1mg)
- ^{#1} Trivalent chromium (Cr (III)) = Chromium (Cr) - Hexavalent chromium (Cr (VI)).
- ^{#2} Tin (Sn) content can be used for screen test for organic tins analysis to show compliance with the requirement of EN 71-3:2019+A1:2021.
- ^{#3} The migration of organic tin is expressed as tributyltin (TBT). Where the tin content exceeded the limit of organic tin, eleven organic tins listed in the table were determined by GC-MS and the client should note there are other organic tins that may be present in toy materials.

Organic tins tested under EN 71-3:2019+A1:2021
Methyl tin (MeT)
Butyl tin (BuT)
Dibutyl tin (DBT)
Tributyl tin (TBT)
Tetrabutyl tin (TeBT)
n-Octyl tin (MOT)
Di-n-octyl tin (DOT)
Di-n-propyl tin (DProT)
Diphenyl tin (DPhT)
Triphenyl tin (TPhT)
Dimethyl tin (DMT)

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4) Annex XVII of European regulation (EC) No. 1907/2006 (REACH) with Amendment(s)

▼ Cadmium and its compounds

As specified in entry 23, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendments No.552/2009 & No.494/2011 & No.835/2012 & No. 2016/217, method(s) EN 1122:2001(E) Method B was/were used, and the item(s) was/were analyzed by ICP-OES.

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>			<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	010+011+012	013+014	015+016		
Cadmium (Cd)	N.D.	N.D.	N.D.	2	1000

<u>Tested Item(s)</u>	<u>Result</u> (mg/kg)	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	017+018		
Cadmium (Cd)	N.D.	2	1000

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>			<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	002	003+004	005+006+007		
Cadmium (Cd)	N.D.	N.D.	N.D.	2	100

<u>Tested Item(s)</u>	<u>Result</u> (mg/kg)	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	008+009		
Cadmium (Cd)	N.D.	2	100

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- The limit for composite test should be divided by the mixed number.

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▼ **Phthalates in plasticized materials**

As specified in entry 51 & entry 52, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendment No.552/2009 & No. 2015/326 & (EU) 2018/2005, method(s) EN 14372:2004 was/were used, and the item(s) was/were analyzed by GC-MS.

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>			<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	002	003+004	005+006+007		
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	N.D.	30	1000
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	N.D.	30	1000
Di-isobutyl Phthalate (DIBP)	N.D.	N.D.	N.D.	30	1000
SUM(DEHP+DBP+BBP+ DIBP)	N.D.	N.D.	N.D.	--	1000
Diisononyl Phthalate (DINP)	N.D.	N.D.	N.D.	50	--
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	N.D.	30	--
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	N.D.	50	--
SUM(DINP+DNOP+DIDP)	N.D.	N.D.	N.D.	--	1000

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>			<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	008+009	010+011+012	013+014		
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	N.D.	30	1000
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	N.D.	30	1000
Di-isobutyl Phthalate (DIBP)	N.D.	N.D.	N.D.	30	1000
SUM(DEHP+DBP+BBP+ DIBP)	N.D.	N.D.	N.D.	--	1000
Diisononyl Phthalate (DINP)	N.D.	N.D.	N.D.	50	--
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	N.D.	30	--
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	N.D.	50	--
SUM(DINP+DNOP+DIDP)	N.D.	N.D.	N.D.	--	1000

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Tested Item(s)	Result (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
	015+016	017+018		
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	30	1000
Dibutyl Phthalate (DBP)	N.D.	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	30	1000
Di-isobutyl Phthalate (DIBP)	N.D.	N.D.	30	1000
SUM(DEHP+DBP+BBP+ DIBP)	N.D.	N.D.	--	1000
Diisononyl Phthalate (DINP)	N.D.	N.D.	50	--
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	30	--
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	50	--
SUM(DINP+DNOP+DIDP)	N.D.	N.D.	--	1000

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- 1000 mg/kg = 0.1%
- The limit for composite test should be divided by the mixed number.
- Method EN 14372:2004 was accredited by UKAS on six phthalates (DEHP, DBP, BBP, DINP, DIDP, DNOP) test in this report.

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Tested Sample/Part Description

- 001 Blue cord(box)
- 002 Transparent adhesive tape(box)
- 003 White plastic film(picture)
- 004 Transparent plastic(box)
- 005 Grey plastic(rockery)
- 006 Brown red plastic(tree&stone)
- 007 Baby green plastic(tree)
- 008 White PVC with transparent dry glue(red dinosaur&orange/blue/white dinosaur&dark green/yellow dinosaur)
- 009 Beige PVC(dark green/beige dinosaur&light orange/white/beige dinosaur&light orange/dark grey/beige dinosaur)
- 010 Multi-color coating(picture)
- 011 Orange red coating(rockery)
- 012 Green coating(rockery)
- 013 Multi-color coating(red dinosaur)
- 014 Multi-color coating(orange/blue/white dinosaur)
- 015 Multi-color coating(dark green/yellow dinosaur)
- 016 Multi-color coating(dark green/beige dinosaur)
- 017 Multi-color coating(light orange/white/beige dinosaur)
- 018 Multi-color coating(light orange/dark grey/beige dinosaur)

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Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. Company Name and Address shown on Report, the sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Without written approval of CTI, this report can't be reproduced except in full.

*** End of Report ***