Test Report

No.: W2315906R1-01 Date: 2024-02-02 Page 1 of 19

Applicant : GUANGDONG WOMA ANIMATION TOYS CO.,LTD
Address : Dutou Xiazhou Industrial,Shanghua Town,Chenghai district,Shantou City,Guandong Province China

Sample Description:

Name of Product / Item	: PLASTIC TOYS-BUILDING BLOCKS
Item No.	: See Next Page
Labeled Age Grading	: 6+
Requested Age Grading	: 6+
	Above sample information was submitted and/or identified by client
Quantity of Sample	: 2 SETS
Other Information	: WJ20231127003-03
Age Group Assessed As Per Age Guideline	: Over 6 years
Age Group Applied in Testing	: Over 6 years
Sample Receiving Date	: 2023-11-27, 2024-01-24
Testing Period	: 2023-11-27 TO 2024-02-02

TEST REQUESTED	CONCLUSION
European Standard on Safety of toys:	
- EN 71-1:2014+A1:2018 Mechanical and Physical properties	PASS
- EN 71-2:2020 Flammability of Toys	PASS
- Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU)2018/725, (EU)2019/1922 EN 71-3:2019+A1:2021 Migration of certain elements	PASS
British Standard on Safety of toys:	
- BS EN 71-1:2014+A1:2018 Mechanical and Physical properties	PASS
- BS EN 71-2:2020 Flammability of Toys	PASS
- BS EN 71-3:2019+A1:2021 Migration of certain elements	PASS

SELECTED TEST(S) AS REQUESTED BY THE APPLICANT, PLEASE REFER TO THE FOLLOWING PAGE(S) FOR DETAILS

Signed for and on behalf of
Guangdong Vanjust Testing Technology Co., Ltd

广东万测检测技术有限公司 VITS 检验检测专用章 Inspection & Testing Guangdong Vanjust Testing Technology Co.,Ltd

Nancy Wang
Toy Laboratory Manager

Item No.:

C0621A,C0620A,C0255,C0256,8841,8839,8845,8843,C0213,C0476,C0328,C0355,C9050,C0671,C0601A,
C0356,11054,C0864,C0547A,C0653A,12030,12031,12032,12033,12034,12035,12106,12108,12107,11053,
C0408,C0407,C0406A,C0231,C0230A,C0828,C0824,C0446,C0445,C0603A,C0902,C0904,C0447,C0448,
C0449,C0316,C0321,C0323,C0319,C0431,C0432,C0212A,C0270,C0271,C0273,C0272,C0275,C0276,C0233,
C0550A,C0552A,C0555A,C0606A,C0607A,C0651A,C0656A,C0117,C9221,C0138,C0219,C0346,C0452,
W9005,W9006,C9698A,J5760A,J5770A,C0620,C9052,8801

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European Standard on Safety of Toys

▼EN 71-1:2014+A1:2018 Mechanical and Physical Properties

As specified in European Standard on Safety of Toys - EN71 Part 1:2014+A1:2018

Clause	Description	Assessment
4	General requirements	
4.1	Material cleanliness	Pass*
4.7	Edges	Pass*
4.8	Points and metallic wires	Pass*
4.9	Protruding parts	Pass*
6	Packaging	Pass*
7	Warnings, markings and instructions for use (Note: It is drawn to your attention that the warnings, precautions and instructions for use should be given in the national language(s) of the country where the product is sold.)	
7.1	General	Pass*
7.2	Toys not intended for children under 36 months	Pass* See Remark

Remark: The toy contains small part. It is acceptable because appropriate warning is found on packaging.

Note:

- Only applicable clauses were shown.
- * The test results are determined by the sample submitted by the client on 2024-01-24.

▼EN 71-2:2020 Flammability of Toys

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

Clause	Description	Assessment
4.1	General requirements	
	- Celluloid, materials with the same behavior in fire as celluloid	Pass*
	- Highly flammable solids	Pass*

Note:

- The gas used in flammability test is butane.
- Only applicable clauses were shown.
- * The test results are determined by the sample submitted by the client on 2024-01-24.

▼Labeling requirement

Washing/Cleaning instruction, CE mark, importer/manufacturer name and address, product identification

As specified in the Directive 2009/48/EC-Safety of toys

Summary table:

Requirement	Observation Result	Location
Washing/Clean instruction	Not Applicable	--
CE mark	Present	Packaging
Importer's Name & Address	Absent	--
Manufacturer 's Name & Address	Present	Packaging
Product ID	Present	Packaging

Note:

1. According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The manufacturer should, if applicable, provide instructions on how the toy must to be cleaned.
2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
3. Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
4. Manufacturers must 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.

Note:

- Only applicable clauses were shown.

Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU)2018/725, (EU)2019/1922

▼EN 71-3:2019+A1:2021 Migration of certain elements

Method: EN 71-3:2019+A1:2021

Analysis was performed by ICP-OES, ICP-MS, IC-UV/VIS and GC-MS.

Category Ⅲ: scraped-off toy material

Tested Item(s)	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	1	2	3	4	5		
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.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	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.	5	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)	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

Test Report

Tested Item(s)	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	6	7	8	9	10		
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.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
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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.	5	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
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Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

Specimen Description:

1 white plastic
2 green plastic
3 red plastic
4 orange plastic
5 brown plastic
6 light purple plastic
7 dark green plastic
8 blue plastic

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9 yellow plastic

10 dark purple plastic

Note:

- N.D. = Not Detected (< Reporting limit)
- mg/kg = ppm = parts per million
- #1 The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium (VI).
- If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the test result were verified by below method:
  - Chromium VI: EN71-3:2019+A1:2021, Annex F by IC-UV/VIS analysis.
  - Organic Tin: EN71-3:2019+A1:2021, Annex G by GC-MS analysis.
- #2 The migration of organic tin is expressed as tributyltin (TBT).

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)

- All result(s) of Migration of certain elements is(are) extracted from report No.:W2315906R1, where the sample(s)/material(s) of sample is(are) claimed to be identical.

British Standard on Safety of Toys

▼BS EN 71-1:2014+A1:2018 Mechanical and Physical Properties

As specified in European Standard on Safety of Toys –BS EN71 Part 1:2014+A1:2018

Clause	Description	Assessment
4	General requirements	
4.1	Material cleanliness	Pass*
4.7	Edges	Pass*
4.8	Points and metallic wires	Pass*
4.9	Protruding parts	Pass*
6	Packaging	Pass*
7	Warnings, markings and instructions for use (Note: It is drawn to your attention that the warnings, precautions and instructions for use should be given in the national language(s) of the country where the product is sold.)	
7.1	General	Pass*
7.2	Toys not intended for children under 36 months	Pass* See Remark

Remark: The toy contains small part. It is acceptable because appropriate warning is found on packaging.

Note:

- Only applicable clauses were shown.
- * The test results are determined by the sample submitted by the client on 2024-01-24.

▼BS EN 71-2:2020 Flammability of Toys

As specified in European Standard on Safety of Toys – BS EN 71 Part 2:2020

Clause	Description	Assessment
4.1	General requirements	
	- Celluloid, materials with the same behavior in fire as celluloid	Pass*
	- Highly flammable solids	Pass*

Note:

- The gas used in flammability test is butane.
- Only applicable clauses were shown.
- * The test results are determined by the sample submitted by the client on 2024-01-24.

▼Labeling requirement

Washing/Cleaning instruction, Name and postal address of Importer based in UK, manufacturer name and address, product identification

Summary table:

Requirement	Observation Result	Location
Washing/Clean instruction	Not Applicable	--
UKCA Mark	Present	Packaging
Name and postal address of Importer based in UK	Absent	--
Manufacturer ’s Name & Address	Present	Packaging
Product ID	Present	Packaging

Note:

1. According to Toys (Safety) Regulations 2011, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.
2. The UKCA marking should be at least 5mm in height, unless a different minimum dimension is specified in the relevant legislation. The UKCA marking should be visibly, legibly and indelibly (From 1 January 2023, the UKCA marking must, in most cases, be affixed directly to the product.).
3. Importer mush makes sure that its name and address is marked on the toy or on a document accompanying the toy or packaging, as well as the manufacturer’s details after 1 January 2021. Until 31 December 2022, UK importer can provide these details on the accompanying documentation rather than on the good itself.
4. Manufacturers must 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, the required information is provided on the packaging or in a document accompanying the toy.

Note:

- Only applicable clauses were shown.

▼BS EN 71-3:2019+A1:2021 Migration of certain elements

Method: BS EN 71-3: 2019+A1:2021

Analysis was performed by ICP-OES, ICP-MS, IC-UV/VIS and GC-MS.

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Test Report

No.: W2315906R1-01 Date: 2024-02-02

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9 yellow plastic

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Note:

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- If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the test result were verified by below method:
  - Chromium VI: EN71-3:2019+A1:2021, Annex F by IC-UV/VIS analysis.
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- #2 The migration of organic tin is expressed as tributyltin (TBT).

Organic tins tested under BS EN 71-3:2019+A1:2021
Methyl tin (MeT)
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Di-n-propyl tin (DProT)
Diphenyl tin (DPhT)
Triphenyl tin (TPhT)
Dimethyl tin (DMT)

- All result(s) of Migration of certain elements is(are) extracted from report No.:W2315906R1, where the sample(s)/material(s) of sample is(are) claimed to be identical.

Remark:

1. Since the data and/or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and/or information, VITS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and/or conclusions arising therefrom. Testing results only apply to the sample as received.
2. If relevant standards do not specify decision rule(s), follow decision rule as below:
   - “Pass” means that the measured result is within the limits, even when extended by expanded uncertainty at a level of confidence of 95%.
   - “Fail” means that the measured result is beyond the limit, even when extended by expanded uncertainty at a level of confidence of 95%.

Sample Photo

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Vanjust Testing authenticate the photo on original report only

*** End of Report ***