

Test Report

Testing institute : Product Technology Service (Ningbo) Co., Ltd.
5,6,7F, 59#, Huayu Road, Yinzhou District, Ningbo, Zhejiang

Applicant : JOYIN US CORP
315 W Elliot Rd #107-168 Tempe, AZ 85284

Product name : Klever Kits DIY Art & Craft Toy Set

Model/type : 60119/60118/60120/60127

Sample Description : /

Material : /

Sample receive date : May 27,2024
Completes date : Jun.04,2024

Test specification(s)

- 1.EN 71-1:2014+A1:2018 Safety of toys-Part 1:Mechanical and physical properties
- 2.EN 71-2:2020 Safety of toys-Part 2:Flammability
- 3.EN 71-3:2019+A1:2021 Safety of toys-Part 3:Migration of certain elements

Conclusion

Pass
Pass
Pass

Signed for and on behalf of

Product Technology Service (Ningbo) Co., Ltd.

Danyan Wang

Authorizer : Danyan Wang



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Date:Jun.04,2024

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Product name:

No.	Name	Part No.	Part Name
1	Klever Kits DIY Art & Craft Toy Set	1-1	Klever kits diy art & craft toy set (60119)
		1-2	Long white plastic bottle (60118)
		1-3	Red plastic buttons (21230)
		1-4	Blue non-woven fabric petals (21230)
		1-5	White shells (60120)
		1-6	Glue with golden glitter (60120)
		1-7	Purple clay (60120)
		1-8	Blue diamond patch (overall sampling) (60120)
		1-9	Tail blue/purple sequins (60127)
		1-10	Pink non-woven fabric sticker-without white backing paper(overall sampling) (60127)
		1-11	Blue plastic needle (60127)

Remark: According to client's requirement, samples were overall sampling.

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1. EN71 - 1: Mechanical and Physical Properties

Test specification	:	EN 71-1:2014+A1:2018 Safety of toys-Part 1:Mechanical and physical properties
Test item(s)	:	See below
Requirement	:	See below
Labeled age grading	:	6+
Applicant's specified age group for testing	:	3+ years
Age grading for test	:	Over 3 years

Test Results

Clause	Assessment
4. General requirements	
4.1 Material cleanliness	<u>Pass</u>
4.7 Edges	<u>Pass</u>
4.8 Points and metallic wires	<u>Pass</u>
6. Packaging	<u>Pass</u>
7. Warnings, markings and instructions for use	
Tracking information [CE mark, importer / manufacturer mark (name, address), product identification]	<u>Present</u>
7.1 General	<u>Pass</u>
7.2 Toys not intended for children under 36 months	<u>Pass</u>

N.B.: Only applicable clauses were shown.

2. EN71 - 2: Flammability

Test specification : EN 71-2:2020 Safety of toys-Part 2:Flammability
Test item : See below
Requirement : See below

Test Results

Clause

Assessment

4.1 General

Pass

- The following materials shall not be used in the manufacture of toys
Cellulose nitrate and materials with the same behaviour in fire
Materials with a piled surface which produce surface flash on the approach of a flame
- Toys shall not contain flammable gases, extremely flammable liquids, highly flammable liquids,flammable liquids and flammable gels

N.B.: Only applicable clauses were shown.

Main test instruments used for this method:

Instrument	Manufactory	Model / Type
Flammability tester-EN71	Tonny	TNC14

3.EN 71-3:2019+A1:2021 Safety of toys-Part 3:Migration of certain elements

Test method : EN 71-3:2019+A1:2021 Safety of toys-Part 3:Migration of certain elements

Test item : Migration of 19 Elements – with reference to 2009/48/EC and its amendment 2012/7/EU, (EU)2017/738, (EU)2018/725, (EU) 2019/1922

Requirement : See below

Product No.				1-7
Parameter	Unit	DL	Regulatory Requirement ^{#1}	Result
Aluminium (Al)	mg/kg	50.0	2250	ND
Barium (Ba)	mg/kg	50.0	1500	ND
Boron (B)	mg/kg	50.0	1200	313
Manganese (Mn)	mg/kg	50.0	1200	ND
Strontium (Sr)	mg/kg	50.0	4500	ND
Tin (Sn)	mg/kg	5.0	15000	ND
Zinc (Zn)	mg/kg	50.0	3750	ND
Copper (Cu)	mg/kg	50.0	622.5	ND
Antimony (Sb)	mg/kg	1.0	45	ND
Arsenic (As)	mg/kg	0.50	3.8	ND
Cadmium (Cd)	mg/kg	0.30	1.3	ND
Cobalt (Co)	mg/kg	1.0	10.5	ND
Lead (Pb)	mg/kg	0.50	2.0	ND
Mercury (Hg)	mg/kg	0.50	7.5	ND
Nickel (Ni)	mg/kg	10.0	75	ND
Selenium (Se)	mg/kg	5.0	37.5	ND
Chromium III (CrIII)*	mg/kg	5.0	37.5	ND
Chromium VI (CrVI)	mg/kg	0.02	0.02	ND
Organic tin	mg/kg	0.9	0.9	ND
Conclusion				Pass

Product No.					1-6
Parameter	Unit	DL	Regulatory Requirement ^{#2}		Result
Aluminium (Al)	mg/kg	50.0	560		ND
Barium (Ba)	mg/kg	50.0	375		ND
Boron (B)	mg/kg	50.0	300		ND
Manganese (Mn)	mg/kg	50.0	300		ND
Strontium (Sr)	mg/kg	50.0	1125		ND
Tin (Sn)	mg/kg	5.0	3750		ND
Zinc (Zn)	mg/kg	50.0	938		ND
Copper (Cu)	mg/kg	50.0	156		ND
Antimony (Sb)	mg/kg	1.0	11.3		ND
Arsenic (As)	mg/kg	0.50	0.9		ND
Cadmium (Cd)	mg/kg	0.30	0.3		ND
Cobalt (Co)	mg/kg	1.0	2.6		ND
Lead (Pb)	mg/kg	0.50	0.5		ND
Mercury (Hg)	mg/kg	0.50	1.9		ND
Nickel (Ni)	mg/kg	10.0	18.8		ND
Selenium (Se)	mg/kg	5.0	9.4		ND
Chromium III (CrIII)*	mg/kg	5.0	9.4		ND
Chromium VI (CrVI)	mg/kg	0.005	0.005		ND
Organic tin	mg/kg	0.2	0.2		ND
Conclusion					Pass

Product No.				1-2	1-3	1-4	1-5
Parameter	Unit	DL	Regulatory Requirement ^{#3}	Result	Result	Result	Result
Aluminium (Al)	mg/kg	50.0	28130	ND	ND	ND	ND
Barium (Ba)	mg/kg	50.0	18750	ND	ND	ND	ND
Boron (B)	mg/kg	50.0	15000	ND	50.5	ND	ND
Manganese (Mn)	mg/kg	50.0	15000	ND	ND	ND	ND
Strontium (Sr)	mg/kg	50.0	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	5.0	180000	ND	ND	ND	ND
Zinc (Zn)	mg/kg	50.0	46000	ND	ND	ND	ND
Copper (Cu)	mg/kg	50.0	7700	ND	ND	ND	ND
Antimony (Sb)	mg/kg	1.0	560	ND	ND	2.0	ND
Arsenic (As)	mg/kg	0.50	47	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	0.30	17	ND	ND	ND	ND
Cobalt (Co)	mg/kg	1.0	130	ND	ND	ND	ND
Lead (Pb)	mg/kg	0.50	23	ND	ND	ND	ND
Mercury (Hg)	mg/kg	0.50	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	10.0	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	5.0	460	ND	ND	ND	ND
Chromium III (CrIII)*	mg/kg	5.0	460	ND	ND	ND	ND
Chromium VI (CrVI)	mg/kg	0.053	0.053	ND	ND	ND	ND
Organic tin	mg/kg	5.0	12	ND	ND	ND	ND
Conclusion				Pass	Pass	Pass	Pass

Product No.				1-8	1-9	1-10	1-11
Parameter	Unit	DL	Regulatory Requirement ^{#3}	Result	Result	Result	Result
Aluminium (Al)	mg/kg	50.0	28130	ND	ND	ND	ND
Barium (Ba)	mg/kg	50.0	18750	ND	ND	ND	ND
Boron (B)	mg/kg	50.0	15000	106	101	ND	114
Manganese (Mn)	mg/kg	50.0	15000	ND	ND	ND	ND
Strontium (Sr)	mg/kg	50.0	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	5.0	180000	ND	ND	ND	ND
Zinc (Zn)	mg/kg	50.0	46000	ND	ND	ND	ND
Copper (Cu)	mg/kg	50.0	7700	ND	ND	ND	ND
Antimony (Sb)	mg/kg	1.0	560	ND	ND	1.8	ND
Arsenic (As)	mg/kg	0.50	47	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	0.30	17	ND	ND	ND	ND
Cobalt (Co)	mg/kg	1.0	130	ND	ND	ND	ND
Lead (Pb)	mg/kg	0.50	23	ND	ND	ND	ND
Mercury (Hg)	mg/kg	0.50	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	10.0	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	5.0	460	ND	ND	ND	ND
Chromium III (CrIII)*	mg/kg	5.0	460	ND	ND	ND	ND
Chromium VI (CrVI)	mg/kg	0.053	0.053	ND	ND	ND	ND
Organic tin	mg/kg	5.0	12	ND	ND	ND	ND
Conclusion				Pass	Pass	Pass	Pass

Remark:

ND= Not Detected (<DL), DL = Detection Limit.

mg/kg denotes milligram per kilogram

*: Chromium III (CrIII)content equal to the content of total chromium minus hexavalent chromium content

#1: Regulatory Requirement for dry, brittle, powder-like or pliable toy materials

#2: Regulatory Requirement for liquid or sticky materials

#3: Regulatory Requirement for scraped-off materials

Main test instruments:

Instrument	Manufactory	Model / Type
ICP-MS	Agilent	7700
LC- ICP-MS	Agilent	1260-7700
GC-MS	Agilent	GC (7890)-MS (5975)

Sample photo(s), see annex 1

---END---

ANNEX 1

Sample photo(s), Consists of 5 page(s)











Klever Kits DIY Art & Craft Toy Set