



中国认可
国际互认
检测
TESTING
CNAS L2929

Test Report

No.: T51810221074TY

Date: APR 18, 2018

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HAPPY ARTS&CRAFTS(NINGBO)CO.,
LTD / HAPE INTERNATIONAL (NINGBO) LTD
9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY,
BEILUN, NINGBO, CHINA PC:315800

The following samples were submitted and identified by/on behalf of the client as:

BEADED RAINDROPS - RED
BEADED RAINDROPS - BLUE

Item No.	:	E0327, E0327B, E0328, E0328B
Country of Origin	:	CHINA
Country of Destination	:	GLOBEL
Labeled Age Grading	:	0M+
Requested Age Grading	:	0M+
Age Group Assessed As Per Age	:	ALL AGES
Guideline	:	
Age Group Applied in Testing	:	ALL AGES
Sample Receiving Date	:	APR 11, 2018
Testing Period	:	APR 11, 2018 TO APR 18, 2018



SGS-CSTC (Shenzhen) Technical Services Co., Ltd.
Shenzhen Branch Testing Center Hardlines

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Test Requested		Conclusion
1.	For compliance with the test requirement of ASTM F963-17 Standard Consumer Safety Specification on Toy Safety.	--
	ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	PASS
	Client's Requirement – Total Lead content	PASS*
2.	Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.	SEE RESULT PAGE*
3.	CPSIA section 101 - Total Lead content	--
	CPSIA section 101(f) (1) – Lead in paint/similar surface coating material	PASS
	Client's Requirement – Lead in paint/similar surface coating material	PASS*
	CPSIA section 101(a) (2) – Lead in accessible substrate materials (Including Children's Metal Jewelry)	PASS
	Client's Requirement – Lead in accessible substrate materials (Including Children's Metal Jewelry)	PASS*

Remark : Test item(s) with "*" is(are) not accredited by CNAS.

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
SGS-CSTC Standards Technical
Services Co., Ltd. Shenzhen Branch Testing Center




Liu Junjie, Tony
Section Manager
CNAS Approved Signatories

Ouyang Qin, Cansy
Section Manager
CNAS Approved Signatories



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Results:

ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

AS SPECIFIED IN ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

Clause	Description	Result
4	Safety Requirements	
4.1	Material Quality **	Pass
4.2	Flammability Test	Pass
		(See Result Page)
4.3	Toxicology	
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	Pass
		(See Result Page)
4.3.5.2	Heavy Metal in Substrate Materials	Pass
		(See Result Page)
4.5	Sound-Producing Toys	Pass
4.6.1	Small Objects	Pass
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
4.32	Certain Toys and Nearly Spherical Ends	Pass
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	Pass
5.16	Promotional Materials	Pass
7	Producer's Markings	
7.1	Producer's Markings	Pass
8.5	Normal Use Testing	Pass
8.7	Impact Test	Pass
8.8	Torque Test	Pass
8.9	Tension Test	Pass

** Visual Examination



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Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample

BEADED RAINDROPS - RED

BEADED RAINDROPS - BLUE

Burning Rate (inch/sec)

DNI

Requirement: A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

DNI = Did Not Ignite

ASTM F963-17, Clause 4.3.5.1 – Heavy Elements in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1

Method: With reference to ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)			Lead (Pb)
MDL (ppm)			10
Total Limit (ppm)			90
Client's Limit (ppm)			40
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Yellow coating (Pattern) + Red coating (Pattern) + Dark blue w/ dark red, orange coating on wood (Pattern)	2	1	ND
2. Transparent lacquer coating (Beaded raindrops) + Light green w/ dark green, light blue, brown coating (Pattern), black coating (Lettering)	2	2	ND



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Soluble Heavy Metal Content

Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm)				90	60	25	1000	75	60	60	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	5	4	16.5	ND	ND	ND	ND	ND	ND	ND	ND
2	5	5	/	ND	ND	ND	ND	ND	ND	ND	ND
3	5	6	/	ND	ND	ND	ND	ND	ND	ND	ND
4	5	7	/	ND	ND	ND	46	ND	ND	ND	ND
5	5	8	/	ND	ND	ND	ND	ND	ND	ND	ND

Specimen Description:

1. Dark blue coating on wood (Pattern)
2. Yellow coating (Pattern)
3. Red coating (Pattern)
4. Light green coating (Pattern)
5. Transparent lacquer coating (Beaded raindrops)



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- Note:
- ppm = parts per million
 - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)
 - Migration results of eight elements shown are of the adjusted analytical results
 - The result(s) is (are) calculated using the minimum specimen weight for composite test.
 - As received, test portion of orange, dark green, light blue, brown, dark red coating (Pattern), black coating (Lettering) is(are) less than 10 mg, therefore such component(s) was(were) not tested for certain migration elements, as specified in ASTM F963-17 Clause 8.3.3.6 (2) – Selection of Test Portions
 - For Soluble Heavy Metal Content:
Result(s) of specimen No.2 is(are) extracted from report No. T51810200683TY.
Result(s) of specimen No.3, No.5 is(are) extracted from report No. T51710280678TY.
Result(s) of specimen No.4 is(are) extracted from report No. T51710291022TY.

ASTM F963-17, Clause 4.3.5.2 – Heavy Elements in Substrate Materials

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3

Method: With reference to ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)	Lead (Pb)		
MDL (ppm)	10		
Total Limit (ppm)	100		
Client's Limit (ppm)	40		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Blue plastic (Beaded raindrops) + Transparent plastic (Beaded raindrops) + Red plastic (Beaded raindrops)	1	1	ND



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Soluble Heavy Metal Content

Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm) -- Other Than Modeling Clays				90	60	25	1000	75	60	60	500
Migration Limit (ppm) -- Modeling Clays				90	60	25	250	50	25	25	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	5	1	/	ND	ND	ND	ND	ND	ND	ND	ND
2	5	2	/	ND	ND	ND	ND	ND	ND	ND	ND
3	5	3	/	ND	ND	ND	ND	ND	ND	ND	ND

Specimen Description:

1. Blue plastic (Beaded raindrops)
2. Transparent plastic (Beaded raindrops)
3. Red plastic (Beaded raindrops)

Note:

- ppm = parts per million
- 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit
- Migration results of eight elements shown are of the adjusted analytical results
- The result(s) is (are) calculated using the minimum specimen weight for composite test.



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As specified in Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.

- Tracking label found on the packaging:
 - 1) Name: Hape International AG
 - 2) Location: Made in China 417583E03
 - 3) Date: 417583E03
 - 4) Cohort information: 417583E03
- Tracking label found on the product:
 - 1) Name: Hape
 - 2) Location: NBCN0518
 - 3) Date: NBCN0518
 - 4) Cohort information: NBCN0518

Note: The tracking label assessment was based on the submitted samples and the information provided by the applicant. There was no verification on the validity of such information.

CPSIA - Lead in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

Test Item(s)			Lead (Pb)
Permissible Limit (ppm)			90
Client's Limit (ppm)			40
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Yellow coating (Pattern) + Red coating (Pattern) + Dark blue w/ dark red, orange coating on wood (Pattern)	4	1	ND
2. Transparent lacquer coating (Beaded raindrops) + Light green w/ dark green, light blue, brown coating (Pattern), black coating (Lettering)	4	2	ND



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- Note:
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 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit = 10 ppm
 - 1% = 10000 mg/kg = 10000 ppm
 - The result(s) is (are) calculated using the minimum specimen weight for composite test.

CPSIA - Lead in Accessible Substrate Materials

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3 - Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product

Test Item(s)			Lead (Pb)
Permissible Limit ** (ppm)			100
Client's Limit (ppm)			40
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Blue plastic (Beaded raindrops) + Transparent plastic (Beaded raindrops) + Red plastic (Beaded raindrops)	3	1	ND

** Permissible Limit applies to a children's product manufactured after 14 August 2011 (Public Law 110-314 (Consumer Product Safety Improvement Act of 2008) and its Amendments Public Law 112-28)

- Note:
- ppm = parts per million
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit = 10 ppm
 - 1% = 10000 mg/kg = 10000 ppm
 - The result(s) is (are) calculated using the minimum specimen weight for composite test.

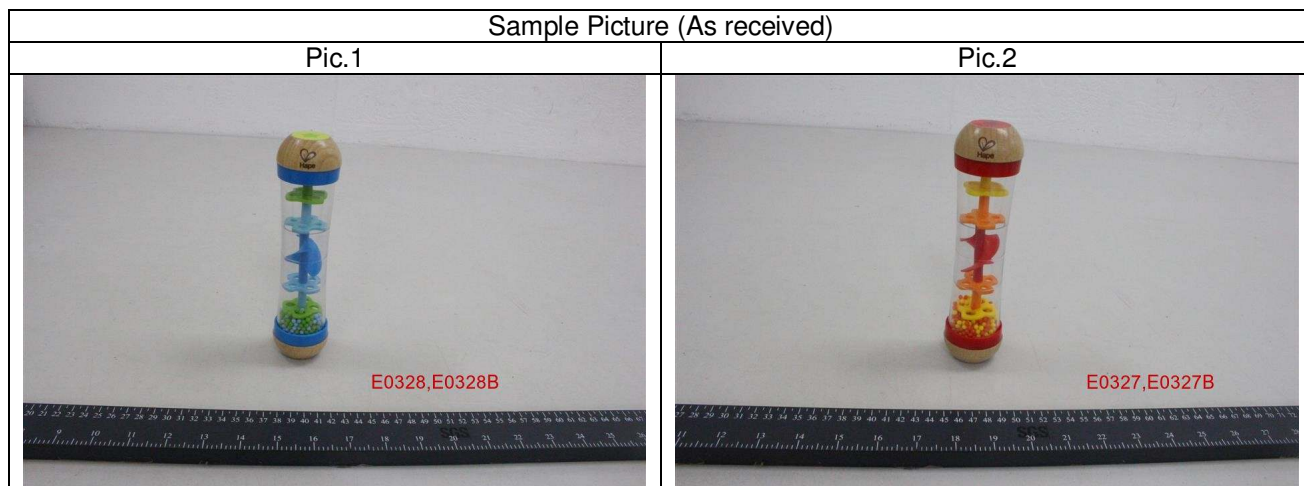
N.B. : - Only applicable clauses were shown.



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