



中国认可  
检测  
TESTING  
CNAS L0599

## Test Report

No.: SHHL1911064931TY

Date: JAN. 09, 2020

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

	PALLINA ORIGINAL
	PALLINA OCEAN RESCUE
Sample Description	: TOTTER TOWER
Sample Quantity	: 17 PCS
Style / Item No.	: E5522,E5522B/E5561,E5561A/E5524,E5524A
Country of Destination	: GLOBAL
Labeled Age Grading	: 3Y+
Requested Age Grading	: 3Y+
	*****
Age Group Assessed as Per Age Guideline	: 3+YEARS
Age Group Applied in Testing	: 3+YEARS
Sample Receiving Date	: DEC. 02, 2019
Resubmitted Sample Date	: JAN. 07, 2020
Further Information Date	: JAN. 09, 2020
Testing Period	: DEC. 02, 2019 TO JAN. 09, 2020

Test Requested	Result
ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	Pass
Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.	Pass
Lead (Pb)(Non-Metal)	Pass
Part 1303, Title 16, Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A. requirement-Lead	Pass
CPSIA section 101(f) - Lead in paint/similar surface coating material	Pass
CPSIA section 101(a)(2) - Lead in accessible substrate materials(Non-Metal)	Pass

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

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



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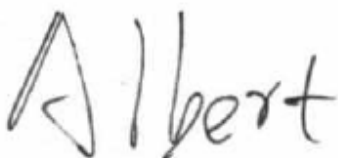
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Wallace Lui  
Senior Technical Manager, Asia

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Albert Li  
Authorized Signatory  
Chemical Part



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Result:

**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 Detail of test result)
4.3	Toxicology	
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	Pass (See Detail of test result)
4.3.5.2	Heavy Metal in Substrate Materials	Pass (See Detail of test result)
4.6.3	Labelling Requirements	Pass
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
4.12	Plastic Film	Pass
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	Pass
5.3	Safety Labeling Requirements	Pass
5.11	Small Objects, Small Balls, Marbles, and Balloons	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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Detail of test result:
ASTM F963-17, Clause 4.2 – Flammability Test  
Flammability Test on Solid
Sample

PALLINA ORIGINAL

PALLINA OCEAN RESCUE

TOTTER TOWER

Burning Rate (inch/sec)

0.1\*

\*Burning rate has been rounded to the nearest one tenth of an inch per second.

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.

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

**Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.**
Notes:

Note 1: 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: E5524: HAPE NBNC 0919  
E5522: HAPE NBCN 102019  
E5561: HAPE NBCN 082018

- Tracking label found on the surface of the product: E5524: HAPE NBNC 0919  
E5522: HAPE NBCN 102019  
E5561: HAPE NBCN 082018

Note 2: 1) 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.

2) City and State, or administrative state shall be also provided for the source (location) information.



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### Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA19-266702.001	Red coating(On wood)
SN2	SHA19-266702.002	Purple coating(On wood)
SN3	SHA19-266702.003	Green coating(On wood)
SN4	SHA19-266702.004	Orange coating(On wood)
SN5	SHA19-266702.005	White coating(On wood)
SN6	SHA19-266702.006	Brown coating(On wood)
SN7	SHA19-266702.007	Transparent coating(On wood)
SN8	SHA19-266702.008	White felt with green/blue/black printing
SN9	SHA19-266702.009	Natural colored solidwood
SN10	SHA19-266702.010	Natural colored bamboo
SN11	SHA19-266702.011	Green string
SN12	SHA19-266702.012	Yellow coating(On wood)
SN13	SHA19-266702.013	Lt.green coating(On wood)
SN14	SHA19-266702.014	Blue coating(On wood)
SN15	SHA19-266702.015	Lt.blue coating(On wood)
SN16	SHA19-266702.016	Black coating(On wood)
SN17	SHA19-266702.017	White felt with multi-colored printing
SN18	SHA19-266702.018	Blue string
SN19	SHA19-266702.019	Blue silicone rubber
SN20	SHA19-266702.020	Red silicone rubber
SN21	SHA19-266702.021	Orange silicone rubber
SN22	SHA19-266702.022	Green silicone rubber
SN23	SHA19-266702.023	Red flocking
SN24	SHA19-266702.024	Blue flocking
SN25	SHA19-266702.025	Red coating with wood+Purple coating with wood+Green coating with wood
SN26	SHA19-266702.026	Orange coating with wood+White coating with wood+Brown coating with wood
SN27	SHA19-266702.027	Transparent coating with wood+Yellow coating with wood+Lt.green coating with wood
SN28	SHA19-266702.028	Blue coating with wood+Lt.blue coating with wood+Black coating with wood
SN29	SHA19-266702.029	Red flocking with bamboo+Blue flocking with bamboo



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SN30 SHA19-266702.030 Blue silicone rubber+Red silicone rubber  
SN31 SHA19-266702.031 Orange silicone rubber+Green silicone rubber

## Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

## American Society for Testing and Materials –ASTM F 963-17– total Lead in paint and similar surface-coating materials

Test Method : With reference to CPSC-CH-E1003-09.1, analysis was performed by AAS.

Test Item(s)	Limit	Unit	MDL	025	026	027
Total Lead (Pb)	90	mg/kg	20	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	028	029
Total Lead (Pb)	90	mg/kg	20	ND	ND

## Lead (Pb)(Non-Metal)

Test Method : With reference to US EPA 3052:1996, analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	025	026	027
Lead (Pb)	40	mg/kg	2	ND	ND	ND
Conclusion				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	028	029	030
Lead (Pb)	40	mg/kg	2	ND	ND	ND
Conclusion				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	031
Lead (Pb)	40	mg/kg	2	ND
Conclusion				PASS



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## Notes :

The maximum permissible limit is quoted from the client requirement.

### Part 1303, Title 16, Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A. requirement-Lead

Test Method : With reference to CPSC Test Method: CPSC-CH-E1003-09.1, analysis was performed by AAS.

Test Item(s)	Limit	Unit	MDL	025	026	027
Lead (Pb)	0.009	%	0.002	ND	ND	ND
<b>Conclusion</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	028	029
Lead (Pb)	0.009	%	0.002	ND	ND
<b>Conclusion</b>				<b>PASS</b>	<b>PASS</b>

### American Society for Testing and Materials –ASTM F 963-17 –total Lead in Substrate Materials(Non-Metal)

Test Method : With reference to CPSC-CH-E1002-08.3. Analysis was performed by AAS.

Test Item(s)	Limit	Unit	MDL	030	031
Total Lead (Pb)	100	mg/kg	20	ND	ND

### American Society for Testing and Materials –ASTM F 963-17 – soluble Heavy Metal for paint and similar surface-coating materials/ Substrate Materials

Test Method : With reference to ASTM F 963-17 (Clause 8.3), analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001	002	003
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND



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Test Item(s)	Limit	Unit	MDL	004	005	006
Soluble Lead (Pb)	90	mg/kg	5	ND	-	-
Soluble Antimony (Sb)	60	mg/kg	5	ND	-	-
Soluble Arsenic (As)	25	mg/kg	2.5	ND	-	-
Soluble Barium (Ba)	1000	mg/kg	10	ND	-	-
Soluble Cadmium (Cd)	75	mg/kg	5	ND	-	-
Soluble Chromium (Cr)	60	mg/kg	5	ND	-	-
Soluble Mercury (Hg)	60	mg/kg	5	ND	-	-
Soluble Selenium (Se)	500	mg/kg	10	ND	-	-

Test Item(s)	Limit	Unit	MDL	007	008	009
Soluble Lead (Pb)	90	mg/kg	5	-	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	-	8	ND
Soluble Arsenic (As)	25	mg/kg	2.5	-	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	-	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	-	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	-	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	-	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	-	ND	ND

Test Item(s)	Limit	Unit	MDL	010	011	012
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND



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Test Item(s)	Limit	Unit	MDL	013	014	015
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	016	017	018
Soluble Lead (Pb)	90	mg/kg	5	-	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	-	18	ND
Soluble Arsenic (As)	25	mg/kg	2.5	-	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	-	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	-	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	-	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	-	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	-	ND	ND

Test Item(s)	Limit	Unit	MDL	019	020	021
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	022	023	024
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND



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# Test Report

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Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND

## Notes :

- (1) Results shown are of the adjusted analytical results
- (2) Mass of trace amount of sample 001 is 33.5mg, sample 002 is 27.6mg, sample 003 is 65.3mg, sample 012 is 45.4mg, sample 013 is 42.1mg, sample 014 is 31.8mg, sample 015 is 55.2mg.
- (3) As received, the test portion of samples 005~007, 016 from one whole sample are less than 10mg, therefore such components were not tested for certain migration elements, as specified in ASTM F963-17 Clause 8.3.3.6 (2) – Selection of Test Portions

## CPSIA section 101(f) - Lead in paint/similar surface coating material

Test Method : CPSC Test Method: CPSC-CH-E1003-09.1' Standard Operation Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings'

Test Item(s)	Limit	Unit	MDL	025	026	027
Lead (Pb)	0.009	%	0.002	ND	ND	ND
<b>Conclusion</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	028	029
Lead (Pb)	0.009	%	0.002	ND	ND
<b>Conclusion</b>				<b>PASS</b>	<b>PASS</b>

## CPSIA section 101(a)(2) - Lead in accessible substrate materials(Non-Metal)

Test Method : CPSC Test Method: CPSC-CH-E1002-08.3 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product'

Test Item(s)	Limit	Unit	MDL	030	031
Lead (Pb)	0.01	%	0.002	ND	ND
<b>Conclusion</b>				<b>PASS</b>	<b>PASS</b>



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### Notes :

- (1) Limit applies to a children's product manufactured after 14 August 2011 (Public Law 112-28 (HR 2715, 112th Congress) amending CPSIA)

### Remark:

For method of CPSC-CH-E1003-09.1/CPSC-CH-E1002-08.3: Composite test has been performed and the result is calculated using the minimum sample weight.

For Others: Test was conducted on composite of random parts of the item as per client's request and the test result is the overall result.

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