

中国认可 国际互认 检测 TESTING CNAS L0599

# Test Report No.: SHHL1911064936TY

Date: JAN. 03, 2020

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

Sample Description		CREATIVE CONSTRUCTION KIT	
		EIFFEL TOWER	
		CREATIVITY KIT	
		TRUSS CRANE	
		MULTI-TOWER KIT	
	:	GEODESIC STRUCTURES	
Sample Quantity	:	24 SETS	
Style / Item No.	:	E5567, E5567A, E5563, E5563A, E55 E5562A, E5566, E5566A, E5564, E55	
Country of Destination	:	GLOBAL	
Labeled Age Grading	:	4Y +	
Requested Age Grading	:	4Y +	
Age Group Assessed as Per Age Guideline	:	4+YEARS	
Age Group Applied in Testing	:	4+YEARS	
Sample Receiving Date	:	DEC. 02, 2019	
Further Information Date	:	DEC 26, 2019	
Testing Period	:	DEC. 02, 2019 TO DEC 27, 2019	
Test Requested			<u>Result</u>
ASTM F963-17 Standard Consumer Safety S	Spec	cification for Toy Safety	Pass
Tracking label per Consumer Product Safety 103 tracking labels for children's products.	Imp	provement Act (CPSIA) of 2008 section	Pass
Lead (Pb)(Non-Metal)			Pass
Part 1303, Title 16, Code of Federal Regulati Safety Commission of U.S.A. requirement-Le		, Chapter II – Consumer Products	Pass
CPSIA section 101(f) - Lead in paint/similar s	surfa	ace coating material	Pass
CPSIA section 101(a)(2) - Lead in accessible	e sul	bstrate materials(Non-Metal)	Pass





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

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

Wallace Lui Senior Technical Manager, Asia Physical Part

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:

<u>Clause</u> 4	Description Safety Requirements	Result
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	<u>Pass (See Detail of test result)</u>
	4.3.5.2 Heavy Metal in Substrate Materials	Pass (See Detail of test result)
4.6	Small Objects	
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	<u>Pass</u>

\*\* Visual Examination



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Detail of test result:

ASTM F963-17, Clause 4.2 – Flammability Test Flammability Test on Solid

Sample Creative construction set Burning Rate (inch/sec) 0.02

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.

# <u>Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels</u> <u>for children's products.</u>

#### 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: E5562: HAPE NBCN 0818

E5564: HAPE NBCN 10/2018 E5566: HAPE NBCN 0818 E5563: HAPE NBCN 1118 E5565: HAPE NBCN 0819 E5567: HAPE NBCN 1218

- Tracking label found on the product:

Tracking label on product can be exempted, as the product is too small to be marked.

- 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	SHA19-266856.001	Red coating(On bamboo)
SN2	SHA19-266856.002	Natural colored bamboo without coating
SN3	SHA19-266856.003	Orange silicone rubber support
SN4	SHA19-266856.004	Blue coating(On bamboo)
SN5	SHA19-266856.005	Red silicone rubber support
SN6	SHA19-266856.006	Lt.blue silicone rubber support
SN7	SHA19-266856.007	Yellow coating(On bamboo)
SN8	SHA19-266856.008	Orange ABS Hook
SN9	SHA19-266856.009	Orange string
SN10	SHA19-266856.010	Yellow silicone rubber support
SN11	SHA19-266856.011	Red coating with bamboo+Blue coating with bamboo+Yellow coating with bamboo
SN12	SHA19-266856.012	Orange silicone rubber support+Red silicone rubber support+Lt.blue silicone rubber support
SN13	SHA19-266856.013	Orange ABS Hook+ Yellow silicone rubber support

### Remarks :

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

(4) "-" = Not Regulated

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

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

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	MDL	<u>011</u>
Total Lead (Pb)	90	mg/kg	20	ND



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Test Report No.: SHI Lead (Pb)(Non-Metal)	HL1911064936TY	Date:	: JAN. 03	s, 2020		Page 6 of 12		
Test Method : With reference to US EPA 3052:1996, analysis was performed by ICP-OES.								
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 40	<u>Unit</u> mg/kg	MDL 2	<u>011</u> ND <b>PASS</b>	<u>012</u> ND <b>PASS</b>	<u>013</u> ND <b>PASS</b>		
Notes : The maximum permissik <u>Part 1303, Title 16, Code of Fed</u> e					Safety Co	ommission of		
U.S.A. requirement-Lead								
Test Method : With reference to	CPSC Test Method: CF	PSC-CH-E1	003-09.1	, analysis v	vas perfo	rmed by AAS.		
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.009	<u>Unit</u> %	<u>MDL</u> 0.002	<u>011</u> ND <b>PASS</b>				
American Society for Testing a	nd Materials –ASTM F	963-17 –to	tal Lead	in Substra	te Mater	ials(Non-Metal)		
Test Method : With reference to						<u></u>		
Test Item(s)	<u>Limit</u>	<u>Unit</u>	MDL	<u>012</u>	013			
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	<u>Unit</u>	MDL	<u>001</u>	<u>002</u>	<u>003</u>		
Soluble Lead (Pb)	90	mg/kg	5	<u>001</u> ND	<u>002</u> 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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Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Test Item(s)	<u>Limit</u>	<u>Unit</u>	MDL	<u>004</u>	<u>005</u>	<u>006</u>
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)	<u>Limit</u>	<u>Unit</u>	MDL	<u>007</u>	<u>008</u>	<u>009</u>
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)	<u>Limit</u>	<u>Unit</u>	MDL	<u>010</u>		
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		

Notes :

- (1) Results shown are of the adjusted analytical results
- (2) Mass of trace amount of sample 001 is 18.9 mg. sample 004 is 62.1 mg, sample 007 is 88.7 mg.





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# 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)	<u>Limit</u>	<u>Unit</u>	MDL	<u>011</u>
Lead (Pb)	0.009	%	0.002	ND
Conclusion				PASS

# 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)	<u>Limit</u>	<u>Unit</u>	MDL	<u>012</u>	<u>013</u>
Lead (Pb)	0.01	%	0.002	ND	ND
Conclusion				PASS	PASS

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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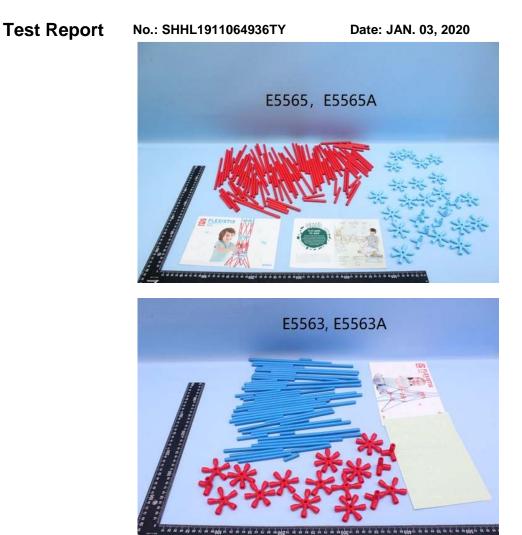






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