

No. SHATY1926691304

Date: 08 Jan 2020

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

The following sample(s) was/were submitted and identified on behalf of the clients as : CREATIVE CONSTRUCTION KIT EIFFEL TOWER CREATIVITY KIT TRUSS CRANE MULTI-TOWER KIT GEODESIC STRUCTURES FLEXISTIX XXL

SGS Job No. :	SHHL1911064939TY - SH
Style No. :	E5567, E5567A E5563, E5563A, E5565, E5565A E5562, E5562A E5566, E5566A E5564, E5564A E8296,E8296A
Country of Destination :	GLOBAL
Age Labelling :	4Y+
Item No. :	E5567, E5567A E5563, E5563A, E5565, E5565A E5562, E5562A E5566, E5566A E5564, E5564A E8296,E8296A
Client Ref. Information :	BEL.ITEM NO:24200
Date of Sample Received :	02 Dec 2019
Testing Period :	02 Dec 2019 - 07 Jan 2020
Test Requested :	Selected test(s) as requested by client.
Test Method :	Please refer to next page(s).
Test Results :	Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
Entry 51 & 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)-Phthalates content	PASS
Entry No. 23 of Annex XVII of REACH Regulation (EC) No 1907/2006 amended by Commission Regulation (EU) No 835/2012, (EU) No 494/2011 and (EU) 2016/217 - Cadmium (Cd)	PASS
GB 6675.1-2014– Phthalates	PASS
CONSUMER PRODUCT SAFETY COMMISSION-16 CFR Part 1307 [Docket No. CPSC–2014–0033], Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates	PASS



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

Lucia Lin

Lucia Liu Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA19-266913.001	Orange silicone rubber support+Red silicone rubber support+Lt.blue
		silicone rubber support
SN2	SHA19-266913.002	Orange ABS Hook+ Yellow silicone rubber support

Remarks :

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

# Entry 51 & 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)-Phthalates content

Test Method : With reference to CPSC-CH-C 1001-09.3, analysis was performed by GC-MS.

<u>Test Item(s)</u>	CAS NO.	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>
For all toys and childcare						
<b>articles</b> Dibutyl Phthalate (DBP)	84-74-2	-	%	0.003	ND	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%	0.003	ND	ND
Bis-(2-ethylhexyl) Phthalate	117-81-7	-	%	0.003	ND	ND
(DEHP) Total (DBP+BBP+DEHP)		0.1	%	-	ND	ND
For toys and childcare articles						
that can be mouthed Diisononyl Phthalate (DINP)	28553-12-0	-	%	0.01	ND	ND
	/68515-48-0					
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%	0.003	ND	ND
Diisodecyl Phthalate (DIDP)	26761-40-0	-	%	0.01	ND	ND
Total (DINP+DNOP+DIDP)	/68515-49-1	0.1	%	-	ND	ND
Conclusion					PASS	PASS

### Notes :



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European Parliament adopted new phthalate Entry 51 & 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC);

(1-1) DBP, BBP and DEHP are totally banned for use in any toys on childcare articles where their concentration exceeds 0.1% by mass.

(1-2) DINP, DNOP, DIDP are totally banned for use in toys and childcare articles that can be mouthed where their concentration exceeds 0.1% by mass.

# Entry No. 23 of Annex XVII of REACH Regulation (EC) No 1907/2006 amended by Commission Regulation (EU) No 835/2012, (EU) No 494/2011 and (EU) 2016/217 - Cadmium (Cd)

Test Method : With reference to EN 1122:2001 Method B. Analysis was performed by AAS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>
Cadmium (Cd)	0.01	%	0.0005	ND	ND
Conclusion				PASS	PASS

## GB 6675.1-2014- Phthalates

Test Method : With reference to GB/T 22048-2015 . analysis was performed by GC-MS.

<u>Test Item(s)</u>	CAS NO.	<u>Limit</u>	<u>Unit</u>	MDL	<u>001</u>
Dibutyl Phthalate (DBP)	84-74-2	-	%	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%	0.003	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%	0.003	ND
Total (DBP + BBP + DEHP)		0.1	%	-	ND
Diisononyl Phthalate (DINP)	28553-12-0	-	%	0.010	ND
	/68515-48-0				
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0	-	%	0.010	ND
	/68515-49-1				
Total (DINP + DNOP + DIDP)		0.1	%	-	ND
Conclusion					PASS
<u>Test Item(s)</u>	CAS NO.	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>
Dibutyl Phthalate (DBP)	84-74-2	-	%	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%	0.003	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%	0.003	ND
Total (DBP + BBP + DEHP)		0.1	%	-	ND
Diisononyl Phthalate (DINP)	28553-12-0	-	%	0.010	ND
	/68515-48-0				



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<u>Test Item(s)</u>	CAS NO.	<u>Limit</u>	<u>Unit</u>	MDL	<u>002</u>	
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%	0.003	ND	
Diisodecyl Phthalate (DIDP)	26761-40-0 /68515-49-1	-	%	0.010	ND	
Total (DINP + DNOP + DIDP) Conclusion		0.1	%	-	ND <b>PASS</b>	

Notes :

(1) Composite test has been performed and the result is calculated using the minimum sample weight. (2) The test result is over the recommended safety limit as specified in GB/T 22048-2015 (60% of the regulatory limit). As the test result is based on the composite sample and is fall into an uncertain range, where "Pass" cannot be truly define, It is highly recommended to conduct individual test for the exact content of Phthalate in each individual component.

## CONSUMER PRODUCT SAFETY COMMISSION-16 CFR Part 1307 [Docket No. CPSC-2014-0033], Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates

Test Method : With reference to CPSC-CH-C1001-09.4(2018), analysis was performed by GC-MS.

Test Item(s)	CAS NO.	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Benzyl Butyl Phthalate (BBP)	85-68-7	0.1	%	0.005	ND
Di-butyl Phthalate (DBP)	84-74-2	0.1	%	0.005	ND
Dicyclohexyl Phthalates (DCHP)	84-61-7	0.1	%	0.005	ND
Di(2-ethylhexyl)phthalate/Bis(2-ethylhexyl) phthalate	117-81-7	0.1	%	0.005	ND
(DEHP)					
Dihexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%	0.005	ND
Diisobutyl Phthalates (DIBP)	84-69-5	0.1	%	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0	0.1	%	0.005	ND
	/68515-48-0				
Dipentyl Phthalates (DPENP)	131-18-0	0.1	%	0.005	ND
Conclusion					PASS
<u>Test Item(s)</u>	CAS NO.	<u>Limit</u>	<u>Unit</u>	MDL	<u>002</u>
Benzyl Butyl Phthalate (BBP)	85-68-7	0.1	%	0.005	ND
Di-butyl Phthalate (DBP)	84-74-2	0.1	%	0.005	ND
Dicyclohexyl Phthalates (DCHP)	84-61-7	0.1	%	0.005	ND
Di(2-ethylhexyl)phthalate/Bis(2-ethylhexyl) phthalate	117-81-7	0.1	%	0.005	ND
(DEHP)					
Dihexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%	0.005	ND
Diisobutyl Phthalates (DIBP)	84-69-5	0.1	%	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0	0.1	%	0.005	ND
	/68515-48-0				



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<u>Test Item(s)</u> Dipentyl Phthalates (DPENP) <b>Conclusion</b>	<u>CAS NO.</u> 131-18-0	<u>Limit</u> 0.1	<u>Unit</u> %	<u>MDL</u> 0.005	002 ND <b>PASS</b>

Notes :

On October 27, 2017, the CPSC published the final rule in the Federal Register (82 FR 49938) to restrict phthalates in toys and child care articles under section 108 of the CPSIA, this final rule has in effect restricted a total of eight phthalates in children's toys and child care articles. It will become effective on April 25, 2018, and applies to toys and child care articles that are manufactured or imported from this date

Remark:

For method of CPSC-CH-C1001-09.3/CPSC-CH-C1001-09.4: Composite test has been performed. 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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Sample photo:







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