

## Test Report

No. SHATY2124404702

Date: 31 Dec 2021

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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 : INTERCITY BATTERY POWERED TRAIN SET

SGS Job No. : SHHL2111060199TY - SH  
Country of Origin : CHINA  
Country of Destination : GLOBAL  
Style No. : E3774  
Requested Age Grading : 3Y+  
Client Ref. Information : E3774A  
Date of Sample Received : 10 Nov 2021  
Testing Period : 10 Nov 2021 - 16 Nov 2021  
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 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) (Non-Metal)	PASS
Commission Regulation (EU) 2018/2005 amending Entry 51 of Annex XVII of REACH Regulation (EC) No 1907/2006-Phthalates	PASS
Entry 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)- Phthalate	PASS
GB 6675.1-2014- Phthalates	PASS
Canada Consumer Product Safety Act(S.C. 2010, c. 21) , Phthalates Regulations (SOR/2016-188)-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 Liu

Lucia Liu  
Approved Signatory

scan to see the report



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Test Results :

### Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA21-244047.007	White ABS + Grey ABS + Transparent ABS
SN2	SHA21-244047.008	Black rubber wheel + Translucent black ABS + Black ABS

Remarks :

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

### Entry 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) (Non-Metal)

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

Test Item(s)	Limit	Unit	MDL	007	008
Cadmium (Cd)	0.01	%	0.0005	ND	ND
Conclusion				PASS	PASS

### Commission Regulation (EU) 2018/2005 amending Entry 51 of Annex XVII of REACH Regulation (EC) No 1907/2006-Phthalates

Test Method : With reference to EN 14372: 2004, analysis was performed by GC-MS.

Test Item(s)	Limit	Unit	MDL	007
Dibutyl Phthalate (DBP)	0.1	%	0.003	ND
Benzylbutyl Phthalate (BBP)	0.1	%	0.003	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	0.1	%	0.003	ND
Diisobutyl Phthalate (DIBP)	0.1	%	0.003	ND
Total (DBP + BBP + DEHP+DIBP)	0.1	%	-	ND
Conclusion				PASS

Test Item(s)	Limit	Unit	MDL	008
Dibutyl Phthalate (DBP)	0.1	%	0.003	ND
Benzylbutyl Phthalate (BBP)	0.1	%	0.003	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	0.1	%	0.003	ND



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<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>008</u>
Diisobutyl Phthalate (DIBP)	0.1	%	0.003	ND
Total (DBP + BBP + DEHP+DIBP)	0.1	%	-	ND
<b>Conclusion</b>				<b>PASS</b>

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

Test Method : With reference to EN 14372: 2004, analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>007</u>
Diisononyl Phthalate (DINP)	-	%	0.01	ND
Di-n-octyl Phthalate (DNOP)	-	%	0.003	ND
Diisodecyl Phthalate (DIDP)	-	%	0.01	ND
Total (DINP + DNOP + DIDP)	0.1	%	-	ND
<b>Conclusion</b>				<b>PASS</b>

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>008</u>
Diisononyl Phthalate (DINP)	-	%	0.01	ND
Di-n-octyl Phthalate (DNOP)	-	%	0.003	ND
Diisodecyl Phthalate (DIDP)	-	%	0.01	ND
Total (DINP + DNOP + DIDP)	0.1	%	-	ND
<b>Conclusion</b>				<b>PASS</b>

### GB 6675.1-2014- Phthalates

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

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>007</u>
Dibutyl Phthalate (DBP)	84-74-2	-	%	0.001	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%	0.001	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%	0.001	ND
Total (DBP + BBP + DEHP)		0.1	%	-	ND
Diisononyl Phthalate (DINP)	28553-12-0	-	%	0.005	ND
	/68515-48-0				
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%	0.001	ND
Diisodecyl Phthalate (DIDP)	26761-40-0	-	%	0.005	ND
	/68515-49-1				
Total (DINP + DNOP + DIDP)		0.1	%	-	ND
<b>Conclusion</b>					<b>PASS</b>



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Test Item(s)	CAS NO.	Limit	Unit	MDL	008
Dibutyl Phthalate (DBP)	84-74-2	-	%	0.001	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%	0.001	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%	0.001	ND
Total (DBP + BBP + DEHP)		0.1	%	-	ND
Diisononyl Phthalate (DINP)	28553-12-0	-	%	0.005	ND
	/68515-48-0				
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%	0.001	ND
Diisodecyl Phthalate (DIDP)	26761-40-0	-	%	0.005	ND
	/68515-49-1				
Total (DINP + DNOP + DIDP)		0.1	%	-	ND
<b>Conclusion</b>					<b>PASS</b>

### Notes :

(1) Composite test has been performed and the result is calculated using the minimum sample weight.

### Canada Consumer Product Safety Act(S.C. 2010, c. 21) , Phthalates Regulations (SOR/2016-188)-Phthalates

Test Method : With reference to Health Canada, Product Safety Laboratory, Book 5, Part B, Method C34.3, analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Limit	Unit	MDL	007
<b>For the vinyl in a toy or child care article</b>					
Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	30	ND
Benzylbutyl Phthalate (BBP)	85-68-7	1000	mg/kg	30	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	1000	mg/kg	30	ND
<b>For the vinyl in any part of a toy or child care article that can, in a reasonably foreseeable manner, be placed in the mouth of a child under four years of age</b>					
Diisononyl Phthalate (DINP)	28553-12-0	1000	mg/kg	100	ND
	/68515-48-0				
Di-n-octyl Phthalate (DNOP)	117-84-0	1000	mg/kg	30	ND
Diisodecyl Phthalate (DIDP)	26761-40-0	1000	mg/kg	100	ND
	/68515-49-1				
<b>Conclusion</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	008
<b>For the vinyl in a toy or child care article</b>					
Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	30	ND
Benzylbutyl Phthalate (BBP)	85-68-7	1000	mg/kg	30	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	1000	mg/kg	30	ND



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Test Item(s)	CAS NO.	Limit	Unit	MDL	008
<b>For the vinyl in any part of a toy or child care article that can, in a reasonably foreseeable manner, be placed in the mouth of a child under four years of age</b>					
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	1000	mg/kg	100	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	1000	mg/kg	30	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 /68515-49-1	1000	mg/kg	100	ND

**Conclusion**

**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**

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

Test Item(s)	CAS NO.	Limit	Unit	MDL	007
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 (DEHP)	117-81-7	0.1	%	0.005	ND
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 /68515-48-0	0.1	%	0.005	ND
Dipentyl Phthalates (DPENP)	131-18-0	0.1	%	0.005	ND

**Conclusion**

**PASS**

Test Item(s)	CAS NO.	Limit	Unit	MDL	008
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 (DEHP)	117-81-7	0.1	%	0.005	ND
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 /68515-48-0	0.1	%	0.005	ND
Dipentyl Phthalates (DPENP)	131-18-0	0.1	%	0.005	ND

**Conclusion**

**PASS**



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### 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: Test was conducted on composite of random parts of the item as per client's request.

Sample photo:



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