

# Test Report

No. SHATY2000057401

Date: 07 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 :  
RAILWAYBUCKET-BUILDER-SET/

SGS Job No. : SHHL1912506395TY - SH  
Item No. : E3764, E3764A  
Country of Destination : GLOBAL  
Style No. : E3764, E3764A  
Requested Test Age Grading : 3Y+  
Date of Sample Received : 02 Jan 2020  
Testing Period : 02 Jan 2020 - 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 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
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
Commission Regulation (EU) 2018/2005 amending Entry 51 of Annex XVII to 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



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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	SHA20-000574.001	Grey PP cover + Green ABS case box + Red HDPE bridge
SN2	SHA20-000574.002	Red HIPS track + Brown plastic(track) + Grey PE pier
SN3	SHA20-000574.003	Black PP wheel + Grey PP plastic(wheel) + Grey ABS sign
SN4	SHA20-000574.004	Yellow PP tool track + Grey PS repair station bottom
SN5	SHA20-000574.005	Grey PE crane base + Red PE crane base

Remarks :

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

### 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.

Test Item(s)	Limit	Unit	MDL	001	002	003
Cadmium (Cd)	0.01	%	0.0005	ND	ND	ND
Conclusion				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	004	005
Cadmium (Cd)	0.01	%	0.0005	ND	ND
Conclusion				PASS	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	001
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



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Test Item(s)	CAS NO.	Limit	Unit	MDL	001
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	002
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	003
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	004
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



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Test Item(s)	CAS NO.	Limit	Unit	MDL	004
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
<b>Conclusion</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	005
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
<b>Conclusion</b>					<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

### Commission Regulation (EU) 2018/2005 amending Entry 51 of Annex XVII to 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	001
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
<b>Conclusion</b>				<b>PASS</b>



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Test Item(s)	Limit	Unit	MDL	002
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
<b>Conclusion</b>				<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	003
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
<b>Conclusion</b>				<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	004
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
<b>Conclusion</b>				<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	005
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
<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.

Test Item(s)	Limit	Unit	MDL	001
Diisononyl Phthalate (DINP)	-	%	0.01	ND
Di-n-octyl Phthalate (DNOP)	-	%	0.003	ND
Diisodecyl Phthalate (DIDP)	-	%	0.01	ND



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Test Item(s)	Limit	Unit	MDL	001
Total (DINP + DNOP + DIDP)	0.1	%	-	ND
<b>Conclusion</b>				<b>PASS</b>

Test Item(s)	Limit	Unit	MDL	002
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>

Test Item(s)	Limit	Unit	MDL	003
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>

Test Item(s)	Limit	Unit	MDL	004
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>

Test Item(s)	Limit	Unit	MDL	005
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>

### Notes :

European Parliament adopted new phthalate 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);  
 (1) 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.

### GB 6675.1-2014- Phthalates

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



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Test Item(s)	CAS NO.	Limit	Unit	MDL	001
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
<b>Conclusion</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	002
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
<b>Conclusion</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	003
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
<b>Conclusion</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	004
Dibutyl Phthalate (DBP)	84-74-2	-	%	0.003	ND



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Test Item(s)	CAS NO.	Limit	Unit	MDL	004
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
<b>Conclusion</b>					<b>PASS</b>

Test Item(s)	CAS NO.	Limit	Unit	MDL	005
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
<b>Conclusion</b>					<b>PASS</b>

### Remark:

For method of 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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