

Test Report No.T52010321352TC Date: JAN 20, 2021 Page 1 of 8

HAPPY ARTS&CRAFTS(NINGBO)CO.,LTD HAPE INTERNATIONAL (NINGBO) LTD 9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY, BEILUN, NINGBO, CHINA PC:315800

The following samples were submitted and identified by/on behalf of the client as:

E3179 CESTINO PER PICNIC PER BIMBI AI PRIMI PASSI

Item No.: E3179Country of Origin: CHINACountry of Destination: GLOBALClient Reference Information: E3179ARequested Age Grading: 18M+

Sample Receiving Date : DEC 15, 2020

Testing Period : DEC 15, 2020 TO DEC 18, 2020





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Test	Conclusion	
1.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Cadmium content	PASS
2.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendment (EU) 2018/2005 – Phthalates content	PASS
3.	US 16 CFR Part 1307 – Phthalates	PASS
4.	China National Safety Technical Code GB 6675.1-2014 Safety of toys-Part 1: Clause 5.3.7: Phthalates content of plasticized material in toys	PASS

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

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Testing Center



Qu Ping, Kiky Dept. Manager





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Results:

1. European Regulation (EC) No. 1907/2006 (REACH), Annex XVII and its Amendments – Cadmium Content

Method: With reference to CPSC-CH-E1003-09.1

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3

For Plastic

Test Item(s)	Cadmium (Cd)		
Permissible Limit (mg/kg)			100
Specimen Description	Alias No.	Tracing No.	Result(s) (mg/kg)
1. White sponge (Inner) w/ Transparent dry glue (Inner)	1	1	ND

For Paint on Painted Article

Test Item(s)	Cadmium (Cd)		
Permissible Limit (mg/kg)	1000		
Specimen Description	Alias No.	Tracing No.	Result(s) (mg/kg)
White w/ black coating on fabric (Sewn-in label) + Multi-color coating on fabric (Tomato)	2	1	ND

Note:

- Permissible and Reference Limit specified by Commission Regulation (EU) No 494/2011 & Commission Regulation (EU) No 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under entry 23 of Regulation (EC) No 552/2009 and directive 91/338/EC).
- mg/kg = milligram per kilogram
- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit = 5 mg/kg
- -1% = 10000 mg/kg = 10000 ppm
- The result(s) is (are) calculated using the minimum specimen weight for composite test.



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2. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendment (EU) 2018/2005 – Phthalate content

Method: With reference to CPSC-CH-C1001-09.4

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Materials can be placed in the mouth for toys & childcare articles

Test Item(s)	CAS No.	Result (s) (%)		
Alias No.		4	MDL	Permissible
Tracing No.		1		Limit (%)
Specimen No.		1		
Dibutyl Phthalate (DBP)	84-74-2	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	0.005	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	0.010	
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	0.003	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	0.010	
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.003	0.1
Total (DBP+BBP+DEHP+DIBP)		0.005		0.1
Total (DINP+DNOP+DIDP)		ND		0.1

Specimen Description:

1. Multi-color coating on fabric (Tomato) w/ White w/ black coating on fabric (Sewn-in label)



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 965 Bidg, No. 4, Jangteo Industrial Park, No. 430, Jhua Road, Bardian, Lunggang District, Shenzhen, China 518129
 t (86-755) 253288888
 f (86-755) 83106190
 wwww.sgsgroup.com.cn

 中国・深圳・龙岗区坂田吉华路430号江瀬工业园4栋SGS大楼
 邮编: 518129
 t (86-755) 253288888
 f (86-755) 83106190
 e sgs.china@sgs.com



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Materials can not be placed in the mouth for toys & childcare articles or plasticized material in the other article.

Test Item(s)	CAS No.	Result (s) (%)			
Alias No.		4	4	MDL	Permissible
Tracing No.		2	3	3 (%)	
Specimen No.		1	2		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Total (DBP+BBP+DEHP+DIBP)		ND	ND		0.1

Specimen Description:

- 1. White sponge (Inner)
- 2. Transparent dry glue (Inner)

Note: - ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit

- % = percentage by weight

- Results shown as ND are ignored in the sum calculation





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3. US 16 CFR Part 1307 - Phthalates Content

Method: With reference to CPSC-CH-C1001-09.4

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Test Item(s)	CAS No.	Result (s) (%)				
Alias No.		5	5	5	MDI (0/)	Permissible Limit (%)
Tracing No.		1	2	3	MDL (%)	
Specimen No.		1	2	3		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	0.005	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.010	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	0.003	0.1
Di-n-pentlyl phthalate(DPP/DPEP/DPENP)	131-18-0	ND	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	0.003	0.1

Specimen Description:

- 1. Multi-color coating on fabric (Tomato) w/ White w/ black coating on fabric (Sewn-in label)
- 2. White sponge (Inner)
- 3. Transparent dry glue (Inner)

Note: - % = percentage by weight

- ND = Not Detected (lower than MDL)

MDL = Method Detection Limit

- 1% = 10000 mg/kg = 10000 ppm



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4. GB 6675.1-2014 Clause 5.3.7 - Phthalates content of plasticized material in toys

Method: With reference to GB/T 22048: 2015, method A

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Materials can be placed in the mouth

Test Item(s)	CAS No.	Result (s) (%)		
Specimen No.		1	MDL	Permissible
Alias No.		3	(%)	Limit (%)
Tracing No.		1		
Dibutyl Phthalate (DBP)	84-74-2	ND	0.001	
Benzylbutyl Phthalate (BBP)	85-68-7	ND	0.001	
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	0.005	0.001	
Diisononyl Phthalate (DINP)	68515-48-0 28553-12-0	ND	0.005	
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	0.001	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-0	ND	0.005	
Total (DBP+BBP+DEHP)		0.005		0.1
Total (DINP+DNOP+DIDP)		ND		0.1
Conclusion		PASS		

Specimen Description:

1. Multi-color coating on fabric (Tomato) White w/ black coating on fabric (Sewn-in label)

Note: - mg/kg = milligram per kilogram

- ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit

- Results shown as ND are ignored in the sum calculation



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 \$358bdg, No. 4, Janghao Industrial Park, No. 430, Jihua Road, Baratian, Longgang District, Shenzhen, China 518129
 t (86-755) 25328888
 f (86-755) 83106190
 www.sgsgroup.com.cn

 中国・深圳・龙岗区坂田吉华路430号江瀬工业园4栋SGS大楼
 邮線: 518129
 t (86-755) 25328888
 f (86-755) 83106190
 e sgs.china@sgs.com



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Remark 2: The statement of conformity has considered the decision rule based on the Guarded acceptance (8.3.2 of ISO/IEC GUIDE 98-4:2012). When the measured value falls within the guard band, only the test data and measurement uncertainty will be reported. The guard band is equal to the expanded measurement uncertainty with a 95% coverage probability(k=2), w = U₉₅. The Probability of False Accept and the Probability of False Reject of the decision rule are 2.5%.

For Upper Tolerance Limit (Tu):

Pass - when the measurement result is below T_U - U_{95}

Fail - when the measurement result is above $T_U + U_{95}$

Inconclusive - when the measurement result is falling in guard band [Tu-U95, Tu+U95]

For Lower Tolerance Limit (T_L):

Pass - when the measurement result is above TL+U95

Fail - when the measurement result is below T_L-U₉₅

Inconclusive - when the measurement result is falling in guard band [T_L-U₉₅, T_L+U₉₅]

Sample Photo:



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