

Test Report

No.: 68.452.22.1150.01C

Date: 2022-05-17



Greater China

Applicant: BTL Diffusion
Address: 16, rue Anatole Moussu - ZA Méré Nord Est
78490 Méré, France
Sample Description: MUSICAL Friends
Tiny Friends
PULL ALONG FRIENDS
PLAY MAT WITH ARCH
PLAYMAT
WOODEN ACTIVITY GYM
ACTIVITY SPIRAL
ROLY POLY BALLS
SOFT ACTIVITY BOOK
ACTIVITY CUBE
Style No. / Name / Design No.: See appendix
Country of Origin: CHINA
Receipt Date of Sample: 2022-04-25
Date of Testing: From 2022-04-25 to 2022-05-07, Shenzhen
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Test Item	Conclusion
1. EN 71-3:2019+A1:2021- Migration of certain elements	Pass
2. Phthalates Content in Annex XVII Items 51 and 52 of the REACH Regulation (EC) No 1907/2006 with its Amendments	Pass
3. ASTM F963-17 Section 4.3.5.1(2) and Section 4.3.5.2 - Soluble Heavy Elements	Pass
4. Total Lead Content Test in accessible substrate materials in accordance with Consumer Product Safety Improvement Act of 2008 Section 101	Pass
5. 16 CFR Part 1307 amending CPSIA section 108, Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
6. US California Proposition 65 – Lead Content (Alameda County Superior Court RG-07-356892)	Pass
7. US California Proposition 65-Phthalates Content (Alameda BG07350969)	Pass
8. Lead Content in Public Act 097-0612 of the US State of Illinois, the Lead Poisoning Prevention Act (substrate materials)	Pass
9. ASTM F963-17 Section 4.3.5.2 - Total Lead Content Test (Substrate Materials)	Pass
10. Canada Consumer Product Safety Act (S.C. 2010, c. 21), Toys Regulations (SOR/2011-17) Section 27(3)(a) &(b) - Soluble Heavy Metals	Pass
11. Canada Consumer Product Safety Act (S.C. 2010, c. 21), Regulations (SOR/2018-83)- Total Lead Content	Pass
12. Canada Consumer Product Safety Act (S.C. 2010, c. 21), Phthalates Regulations (SOR/2016-188)- Phthalates Content	Pass
13. Phthalates Test	Pass*

Laboratory:
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Test Item

14. Canadian Environmental Protection Act, 1999 (S.C. 1999, c. 33), Regulations (SOR/2014-254) - Total Mercury Content
15. Total Lead Content Test

Conclusion

Pass

Pass*

- Remarks:
1. MDL = Method Detection Limit
 2. ND = Not Detected (<MDL)
 3. ≤ Less than
 4. 1 mg/kg = 1 ppm = 0.0001%
 5. NA=Not Applicable
 6. The test item and sample were specified by the client.
 7. "*" denotes the conclusion was drawn according to the client's specification.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch Testing Center

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Authorized by:

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Project Manager



Note:

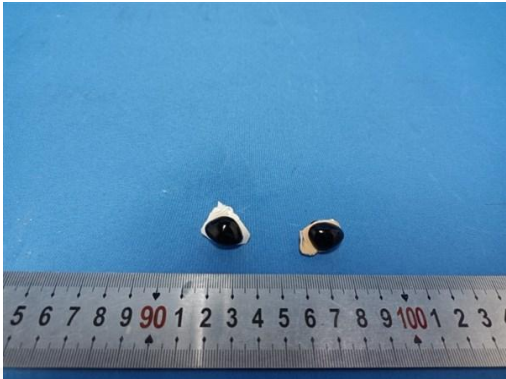
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For further details, please see "Testing and certification regulation", chapter A-3.4
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- (3) The test report shall not be reproduced except in full without the written approval of the laboratory
- (4) If relevant standards do not specify decision rule(s), follow decision rule as below:
- "Pass" means that the measured result is within the limits, even when extended by expanded uncertainty at a level of confidence of 95%.
- "Fail" means that the measured result is beyond the limit, even when extended by expanded uncertainty at a level of confidence of 95%.

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Guangdong, China

Description of Tested Subject:

Sample	Description	Photo
030	Black plastic (Part)	

T. No	Sample	Description
T1	030	Black plastic (Part)



Test Result(s):

1. EN 71-3:2019+A1:2021- Migration of certain elements

Test with reference to EN 71-3:2019+A1:2021, determination by ICP-MS.

Parameter	MDL [mg/kg]	Limit in scraped- off toy materials [mg/kg]	Result(s) [mg/kg]
			030
Soluble Aluminum	5.00	28130	<5.00
Soluble Antimony	5.00	560	<5.00
Soluble Arsenic	5.00	47	<5.00
Soluble Barium	5.00	18750	<5.00
Soluble Boron	5.00	15000	6.86
Soluble Cadmium	5.00	17	<5.00
Soluble Chromium III	0.04	460	<0.04
Soluble Chromium VI	0.04	0.053	<0.04
Soluble Cobalt	5.00	130	<5.00
Soluble Copper	5.00	7700	<5.00
Soluble Lead	5.00	23	<5.00
Soluble Manganese	5.00	15000	<5.00
Soluble Mercury	5.00	94	<5.00
Soluble Nickel	5.00	930	<5.00
Soluble Selenium	5.00	460	<5.00
Soluble Strontium	5.00	56000	<5.00
Soluble Tin	2.50	180000	<2.50
Organic Tin	7.50	12	<7.50
Soluble Zinc	5.00	46000	<5.00
Conclusion			Pass

2. Phthalates Content in Annex XVII Items 51 and 52 of the REACH Regulation (EC) No 1907/2006 with its Amendments

Test with reference to in house method, solvent extraction and determination by GC-MS.

Compound	CAS No.	Unit	MDL	Limit	Result(s)
					030
Bis (2-ethylhexyl) phthalate, DEHP	117-81-7	%	0.005	-	<0.005
Dibutyl phthalate, DBP	84-74-2	%	0.005	-	<0.005
Benzyl butyl phthalate, BBP	85-68-7	%	0.005	-	<0.005
Diisobutylphthalate, DIBP	84-69-5	%	0.005	-	<0.005
Sum of DBP, BBP, DEHP, DIBP	-	%	0.005	0.1	<0.005
Di-isononyl phthalate, DINP	28553-12-0 , 68515-48-0	%	0.005	-	<0.005
Di-isodecyl phthalate, DIDP	26761-40-0 , 68515-49-1	%	0.005	-	<0.005

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Di-n-octyl phthalate, DNOP	117-84-0	%	0.005	-	<0.005
Sum of DINP, DIDP, DNOP	-	%	0.005	0.1	<0.005
Conclusion					Pass

3. ASTM F963-17 Section 4.3.5.1(2) & Section 4.3.5.2 - Soluble Heavy Elements

Test with reference to ASTM F963-17 Section 8.3, determination by ICP-MS.

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]
			030
Soluble Antimony (Sb)	5.0	60	<5.0
Soluble Arsenic (As)	2.5	25	<2.5
Soluble Barium (Ba)	5.0	1000	<5.0
Soluble Cadmium (Cd)	5.0	75	<5.0
Soluble Chromium (Cr)	5.0	60	<5.0
Soluble Lead (Pb)	5.0	90	<5.0
Soluble Mercury (Hg)	5.0	60	<5.0
Soluble Selenium (Se)	5.0	500	<5.0
Conclusion			Pass

Note: 1. Adjusted analytical result

4. Total Lead Content Test in accessible substrate materials in accordance with Consumer Product Safety Improvement Act of 2008 Section 101

Test with reference to CPSC-CH-E1001-08.3 or CPSC-CH-E1002-08.3, determination by ICP-OES

Sample	Unit	MDL	Limit	Result(s)	Conclusion
030	mg/kg	10	100	<10.0	Pass

5. 16 CFR Part 1307 amending CPSIA section 108, Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates

Test with reference to CPSC-CH-C1001-09.4, determination by GC-MS.

Compound	CAS No.	Unit	MDL	Limit	Result(s)
					030
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.005	0.1	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005

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Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	<0.005
Di-n-pentyl phthalates (DPENP)	131-18-0	%	0.005	0.1	<0.005
Conclusion					Pass

6. US California Proposition 65 - Lead Content (Alameda County Superior Court RG-07-356892)

Test with reference to CPSC-CH-E1003-09.1 or CPSC-CH-E1001-08.3 or CPSC-CH-E1002-08.3, determination by ICP-OES

Sample	Unit	MDL	Limit	Result(s)	Conclusion
030	mg/kg	10	100	<10.0	Pass

7. US California Proposition 65-Phthalates Content (Alameda BG07350969)

Test with reference to in-house method, determination by GC-MS.

Compound	CAS No.	Unit	MDL	Limit	Result(s)
					030
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005
Conclusion					Pass

8. Lead Content in Public Act 097-0612 of the US State of Illinois, the Lead Poisoning Prevention Act (substrate materials)

Test with reference to CPSC-CH-E1001-08.3 or CPSC-CH-E1002-08.3 determination by ICP-OES

Sample	Unit	MDL	Limit	Result(s)	Conclusion
030	mg/kg	10	40	<10.0	Pass

9. ASTM F963-17 Section 4.3.5.2 - Total Lead Content Test (Substrate Materials)

Test with reference to CPSC-CH-E1001-08.3 or CPSC-CH-E1002-08.3, determination by ICP-OES

Sample	Unit	MDL	Limit	Result(s)	Conclusion
030	mg/kg	10	100	<10.0	Pass

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Guangdong, China

10. Canada Consumer Product Safety Act (S.C. 2010, c. 21), Toys Regulations (SOR/2011-17) Section 27(3)(a) &(b) - Soluble Heavy Metals

Test with reference to ASTM F963-17 Section 8.3, determination by ICP-MS

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]
			030
Soluble Antimony	5.0	60	<5.0
Soluble Arsenic	5.0	25	<5.0
Soluble Cadmium	5.0	75	<5.0
Soluble Selenium	5.0	500	<5.0
Soluble Mercury	5.0	60	<5.0
Soluble Chromium	5.0	60	<5.0
Soluble Barium	5.0	1000	<5.0
Soluble Lead	5.0	90	<5.0
Conclusion			Pass

Note: 1. Adjusted analytical result

11. Canada Consumer Product Safety Act (S.C. 2010, c. 21), Regulations (SOR/2018-83)-Total Lead Content

With reference to Health Canada, Product Safety Reference Manual Book 5 -Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-02.2 or C-02.3 or C-02.4, determination by ICP-OES

Sample	Unit	MDL	Limit	Result(s)	Conclusion
030	mg/kg	10	90	<10.0	Pass

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

Test with reference to in house method, determination by GC-MS.

Compound	CAS No.	Unit	MDL	Limit	Result(s)
					030
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005
Di-n-octyl phthalate, (DNOP)	117-84-0	%	0.005	0.1	<0.005
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	<0.005
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	<0.005
Conclusion					Pass

13. Phthalates Content

Test with reference to in house method, determination by GC-MS.

Compound	CAS No.	Unit	MDL	Client's Limit	Result(s)
					030
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005
Diethyl phthalate(DEP)	84-66-2	%	0.005	0.1	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	<0.005
Di-n-octyl phthalate, (DNOP)	117-84-0	%	0.005	0.1	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005
Bis(2-methoxyethyl)phthalate (DMEP)	117-82-8	%	0.005	0.1	<0.005
Di-n-pentyl phthalates (DnPP)	131-18-0	%	0.005	0.1	<0.005
Diisopentyl phthalate (DiPP)	605-50-5	%	0.005	0.1	<0.005
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	%	0.005	0.1	<0.005
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	<0.005
n-Pentyl-isopentylphthalate (nPiPP)	776297-69-9	%	0.005	0.1	<0.005
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	%	0.005	0.1	<0.005
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	%	0.005	0.1	<0.005
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	%	0.005	0.1	<0.005
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters, Di(C6-C10)alkyl phthalate	68515-51-5 68648-93-1	%	0.005	0.1	<0.005
Conclusion					Pass

Laboratory:

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14. Canadian Environmental Protection Act, 1999 (S.C. 1999, c. 33), Regulations (SOR/2014-254) - Total Mercury Content

Test with reference to EN 62321-4:2014+A1:2017, determination by ICP-OES

Compound	CAS No.	Unit	MDL	Limit	Result(s)
					030
Total Mercury	7439-97-6	mg/kg	10.0	1000	<10.0
Conclusion					Pass

15. Total lead Content

Test with reference to microwave digestion, determination by ICP-OES

Sample	Unit	MDL	Client's Limit	Result(s)	Conclusion
030	mg/kg	10	500	<10.0	Pass

-End of Test Report-



Appendix

Musical Friends:

Jungle Musical Friends:	
Style No.:	Description:
302559	Lion
302368	Elephant
302573	Hippo
302566	Zebra
302375	Crocodile
303273	Girafe
302399	Toucan
302528	Parakeet
302351	Panda
Farm Musical Friends:	
302535	Sheep
302580	Dog
302511	Cow
302504	Pig
302481	Horse
302474	Hen
Ocean Musical Friends:	
303266	Turtle
303228	Bear
303259	Penguin
302542	Octopus
303282	Whale
303860	Seal
303884	Crab
Forest Musical Friends:	
302597	Owl
303877	Moose
302498	Fox
303891	Racoon

Tiny Friends:

Jungle Tiny Friends:	
Style No.:	Description:
303129	Lion
303006	Elephant
303143	Hippo
303136	Zebra
303013	Crocodile
303334	Girafe
303037	Toucan

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303099	Parakeet
302993	Panda
Farm Tiny Friends:	
303105	Sheep
303150	Dog
303082	Cow
303075	Pig
303051	Horse
303044	Hen
Ocean Tiny Friends:	
303327	Turtle
303280	Bear
303310	Penguin
303112	Octopus
303020	Whale
303907	Seal
303921	Crab
Forest Tiny Friends:	
303167	Owl
303914	Moose
303068	Fox
303938	Racoon

PULL ALONG FRIENDS:	
Style No.:	Description:
303525	Elephant
303532	Zebra
303556	Bear
303549	Horse
303563	Dog

PLAY MAT WITH ARCH:	
Style No.:	Description:
303945	PLAY MAT WITH ARCH - Ocean

PLAYMAT:	
Style No.:	Description:
302825	PLAYMAT- Farm
302818	PLAYMAT- Jungle

WOODEN ACTIVITY GYM:	
Style No.:	Description:
302849	WOODEN ACTIVITY GYM - Farm
302832	WOODEN ACTIVITY GYM - Jungle
303952	WOODEN ACTIVITY GYM - Ocean



ACTIVITY SPIRAL:	
<u>Style No.:</u>	<u>Description:</u>
302863	ACTIVITY SPIRAL - Farm
302856	ACTIVITY SPIRAL - Jungle

ROLY POLY BALLS:	
<u>Style No.:</u>	<u>Description:</u>
303495	ROLY POLY BALLS – Farm
303501	ROLY POLY BALLS – Jungle
303518	ROLY POLY BALLS – Ocean
303631	ROLY POLY BALLS –12 pcs assortment

ROLY POLY BALLS:	
<u>Style No.:</u>	<u>Description:</u>
303495	ROLY POLY BALLS – Farm
303501	ROLY POLY BALLS – Jungle
303518	ROLY POLY BALLS – Ocean
303631	ROLY POLY BALLS –12 pcs assortment

SOFT ACTIVITY BOOK:	
<u>Style No.:</u>	<u>Description:</u>
303976	SOFT ACTIVITY BOOK 2 IN 1 - Ocean

ACTIVITY CUBE:	
<u>Style No.:</u>	<u>Description:</u>
303983	ACTIVITY CUBE - Ocean