

# Test Report

No.: 68.452.22.1293.01

Date: 2022-05-25



Greater China

**Applicant:** BTL Diffusion  
**Address:** 16, rue Anatole Moussu - ZA Méré Nord Est  
78490 Méré, France  
**Product Name:** ROLY POLY BALLS - Jungle  
ROLY POLY BALLS - Farm  
ROLY POLY BALLS - Ocean  
ROLY POLY BALLS - 12 pcs assortment  
**Style No.:** 303501,303495, 303518,303631  
**Country of Origin:** CHINA  
**Receipt Date of Sample:** 2022-05-09  
**Date of Testing:** From 2022-05-17 to 2022-05-25, 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. Commission Directive EU 2019/1929 amending Appendix C of Annex II to Directive 2009/48/EC- Formaldehyde migration content	Pass
3. Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 Tracking labels for children's products	Pass
4. ASTM F963-17 Section 4.3.5.1(2) and Section 4.3.5.2 - Soluble Heavy Elements	Pass
5. Total Lead Content Test in accessible substrate materials in accordance with Consumer Product Safety Improvement Act of 2008 Section 101	Pass
6. 16 CFR Part 1307 amending CPSIA section 108, Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
7. Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 + SOR/2016-195 - Heavy Metals Content for Plastic Material	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.

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

Prepared by:

Authorized by:



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  - "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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## Description of Tested Subject:

Sample	Description	Photo
Whole product	ROLY POLY BALLS - Jungle ROLY POLY BALLS - Farm ROLY POLY BALLS - Ocean ROLY POLY BALLS - 12 pcs assortment	  
001	Black / orange / dull red printed white synthetic leather (Penguin)	
002	Green printed white fabric (Whale)	

Sample	Description	Photo
003	Black / dark blue / pink printed blue grey synthetic leather (Octopus)	
004	Brown plush fabric (Dog)	
005	Dark green / light green / black / orange printed white synthetic leather (Frog)	
006	Orange plush fabric (Fox)	

Sample	Description	Photo
007	White plush fabric (Sheep)	
008	Yellow / orange / black / pink printed white synthetic leather (Giraffe)	
009	Black plush fabric (Panda)	
010	ROLU POLY BALLS - Jungle (Finished product)	
011	ROLU POLY BALLS - Farm (Finished product)	

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Sample	Description	Photo
012	ROLU POLY BALLS - Ocean (Finished product)	

T. No	Sample	Description
T1	001	Black / orange / dull red printed white synthetic leather (Penguin)
T2	002	Green printed white fabric (Whale)
T3	003	Black / dark blue / pink printed blue grey synthetic leather (Octopus)
T4	004	Brown plush fabric (Dog)
T5	005	Dark green / light green / black / orange printed white synthetic leather (Frog)
T6	006	Orange plush fabric (Fox)
T7	007	White plush fabric (Sheep)
T8	008	Yellow / orange / black / pink printed white synthetic leather (Giraffe)
T9	009	Black plush fabric (Panda)
T10	010	ROLU POLY BALLS - Jungle (Finished product)
T11	011	ROLU POLY BALLS - Farm (Finished product)
T12	012	ROLU POLY BALLS - Ocean (Finished product)

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## 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]	
			001	003
Soluble Aluminum	5.00	28130	18.5	22.1
Soluble Antimony	5.00	560	<5.00	<5.00
Soluble Arsenic	5.00	47	<5.00	<5.00
Soluble Barium	5.00	18750	<5.00	<5.00
Soluble Boron	5.00	15000	<5.00	<5.00
Soluble Cadmium	5.00	17	<5.00	<5.00
Soluble Chromium III	0.04	460	0.486	0.454
Soluble Chromium VI	0.04	0.053	<0.04	<0.04
Soluble Cobalt	5.00	130	<5.00	<5.00
Soluble Copper	5.00	7700	<5.00	<5.00
Soluble Lead	5.00	23	<5.00	<5.00
Soluble Manganese	5.00	15000	12.6	13.4
Soluble Mercury	5.00	94	<5.00	<5.00
Soluble Nickel	5.00	930	<5.00	<5.00
Soluble Selenium	5.00	460	<5.00	<5.00
Soluble Strontium	5.00	56000	45.1	35.5
Soluble Tin	2.50	180000	<2.50	<2.50
Organic Tin	7.50	12	<7.50	<7.50
Soluble Zinc	5.00	46000	<5.00	<5.00
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped- off toy materials [mg/kg]	Result(s) [mg/kg]	
			005	006
Soluble Aluminum	5.00	28130	12.4	11.1
Soluble Antimony	5.00	560	<5.00	<5.00
Soluble Arsenic	5.00	47	<5.00	<5.00
Soluble Barium	5.00	18750	<5.00	5.89
Soluble Boron	5.00	15000	9.70	7.36
Soluble Cadmium	5.00	17	<5.00	<5.00
Soluble Chromium III	0.04	460	0.407	0.196
Soluble Chromium VI	0.04	0.053	<0.04	<0.04
Soluble Cobalt	5.00	130	<5.00	<5.00
Soluble Copper	5.00	7700	<5.00	<5.00
Soluble Lead	5.00	23	<5.00	<5.00
Soluble Manganese	5.00	15000	9.66	<5.00
Soluble Mercury	5.00	94	<5.00	<5.00
Soluble Nickel	5.00	930	<5.00	<5.00

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Soluble Selenium	5.00	460	<5.00	<5.00
Soluble Strontium	5.00	56000	39.4	6.29
Soluble Tin	2.50	180000	<2.50	<2.50
Organic Tin	7.50	12	<7.50	<7.50
Soluble Zinc	5.00	46000	<5.00	10.6
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped- off toy materials [mg/kg]	Result(s) [mg/kg]
			008
Soluble Aluminum	5.00	28130	117
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	5.37
Soluble Cadmium	5.00	17	<5.00
Soluble Chromium III	0.04	460	0.616
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	9.65
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	119
Soluble Tin	2.50	180000	<2.50
Organic Tin	7.50	12	<7.50
Soluble Zinc	5.00	46000	<5.00
Conclusion			Pass

## 2. Commission Directive EU 2019/1929 amending Appendix C of Annex II to Directive 2009/48/EC- Formaldehyde content

Test with reference to EN ISO 14184-1:2011, determination by UV-Vis.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
002	mg/kg	16	30	<16	Pass
004	mg/kg	16	30	<16	Pass
006	mg/kg	16	30	<16	Pass
007	mg/kg	16	30	<16	Pass
009	mg/kg	16	30	<16	Pass

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### 3. Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 Tracking labels for children's products

Sample		010, 011, 012
Section	Requirement	Evaluation
Tracking labels for children's product	Tracking labels for children's products Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008	P

#### Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

#### Note:

- The tracking label assessment was based on the submitted samples and the information provided by the applicant. There was no verification on the validity of such information.

### 4. 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]	
			001	003
Soluble Antimony (Sb)	5.0	60	<5.0	<5.0
Soluble Arsenic (As)	2.5	25	<2.5	<2.5
Soluble Barium (Ba)	5.0	1000	<5.0	<5.0
Soluble Cadmium (Cd)	5.0	75	<5.0	<5.0
Soluble Chromium (Cr)	5.0	60	<5.0	<5.0
Soluble Lead (Pb)	5.0	90	<5.0	<5.0
Soluble Mercury (Hg)	5.0	60	<5.0	<5.0
Soluble Selenium (Se)	5.0	500	<5.0	<5.0
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			005	006
Soluble Antimony (Sb)	5.0	60	<5.0	<5.0
Soluble Arsenic (As)	2.5	25	<2.5	<2.5
Soluble Barium (Ba)	5.0	1000	<5.0	<5.0
Soluble Cadmium (Cd)	5.0	75	<5.0	<5.0
Soluble Chromium (Cr)	5.0	60	<5.0	<5.0
Soluble Lead (Pb)	5.0	90	<5.0	<5.0
Soluble Mercury (Hg)	5.0	60	<5.0	<5.0
Soluble Selenium (Se)	5.0	500	<5.0	<5.0
Conclusion			Pass	Pass

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]
			008
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

## 5. 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, CPSC-CH-E1002-08.3, determination by ICP-OES

Sample	Unit	MDL	Limit	Result(s)	Conclusion
001+005+008	mg/kg	10	100	<10.0	Pass

## 6. 16 CFR Part 1307 amending CPSIA section 108, Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates

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

Compound	CAS No.	Unit	MDL	Limit	Result(s)
					001+005+008
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-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005
Conclusion					Pass

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## 7. Heavy Metals Content for Plastic Material

Test in accordance with Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 + SOR/2016-195

Test with reference to ASTM F 963-17 Section 8.3. Heavy metal analysis was determined by Inductively Coupled Plasma Mass Spectrometry (ICP-MS).

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			001	003
Soluble Antimony (Sb)	5.0	60	<5.0	<5.0
Soluble Arsenic (As)	2.5	25	<2.5	<2.5
Soluble Barium (Ba)	5.0	1000	<5.0	<5.0
Soluble Cadmium (Cd)	5.0	75	<5.0	<5.0
Soluble Chromium (Cr)	5.0	60	<5.0	<5.0
Soluble Mercury (Hg)	5.0	60	<5.0	<5.0
Soluble Selenium (Se)	5.0	500	<5.0	<5.0
Soluble Lead (Pb)	5.0	90	<5.0	<5.0
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			005	008
Soluble Antimony (Sb)	5.0	60	<5.0	<5.0
Soluble Arsenic (As)	2.5	25	<2.5	<2.5
Soluble Barium (Ba)	5.0	1000	<5.0	<5.0
Soluble Cadmium (Cd)	5.0	75	<5.0	<5.0
Soluble Chromium (Cr)	5.0	60	<5.0	<5.0
Soluble Mercury (Hg)	5.0	60	<5.0	<5.0
Soluble Selenium (Se)	5.0	500	<5.0	<5.0
Soluble Lead (Pb)	5.0	90	<5.0	<5.0
Conclusion			Pass	Pass

-End of Test Report-

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