

# TEST REPORT

<b><u>APPLICANT</u></b>	: Ningbo Merryart Glow-Tech Co.,Ltd
<b><u>ADDRESS</u></b>	: No.8 Lixin Rd.,Xiaogang Ind.Park Beilun Dist., Ningbo,China
<b><u>SAMPLE DESCRIPTION</u></b>	: Bubble
<b><u>COUNTRY OF ORIGIN</u></b>	: China
<b><u>AGE REQUESTED ON APPLICATION FORM</u></b>	: 3+
<b><u>LABELED AGE GRADE</u></b>	: D-I,AK,BG,BF,AL:3+ A-C,J-AJ. AM-BB, BD, BE, BG-BJ & BL-BQ : Not Present
<b><u>AGE GRADE APPLIED IN TESTING</u></b>	: 3+
<b><u>SAMPLE RECEIVED DATE</u></b>	: 10-Feb-2022
<b><u>FURTHER INFORMATION DATE</u></b>	: 28-Feb-2022
<b><u>TURN AROUND TIME</u></b>	: 10-Feb-2022 to 01-Mar-2022

The following test item(s) was/were performed on selected sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Physical and Mechanical Hazards	ASTM F963-17	Pass
Flammability of Toys	ASTM F963-17	Pass
Heavy Metals	ASTM F963-17	Pass
Physical and Mechanical Hazards	CPSC Regulations	Pass
Flammability Test	16 CFR 1500.3(c)(6)(vi)	Pass
Total Lead Content in Paint / Surface Coating	US CPSIA, Section 101	Pass
Total Lead Content in Substrate	US CPSIA, Section 101	Pass
Phthalates Content	CPSC 16 CFR part 1307	Pass
Phthalates Content	US CPSIA, Section 108	Pass
Total Lead Content	US 16 CFR 1303	Pass

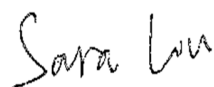
Per client's request, split attached item(s) from the test report EFHZ22020183-CG-01 and issue a separate report accordingly.

*Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to [info.hz@eurofins.com](mailto:info.hz@eurofins.com) and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to [chinacomplaint@eurofins.com](mailto:chinacomplaint@eurofins.com) and referring to this report number.*

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

Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., Ltd. Hangzhou Branch



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Sara Liu  
Lab Manager

**SAMPLE PHOTO(S)**



**EFHZ22020183-CG-04**

\*\*\*TO BE CONTINUED\*\*\*

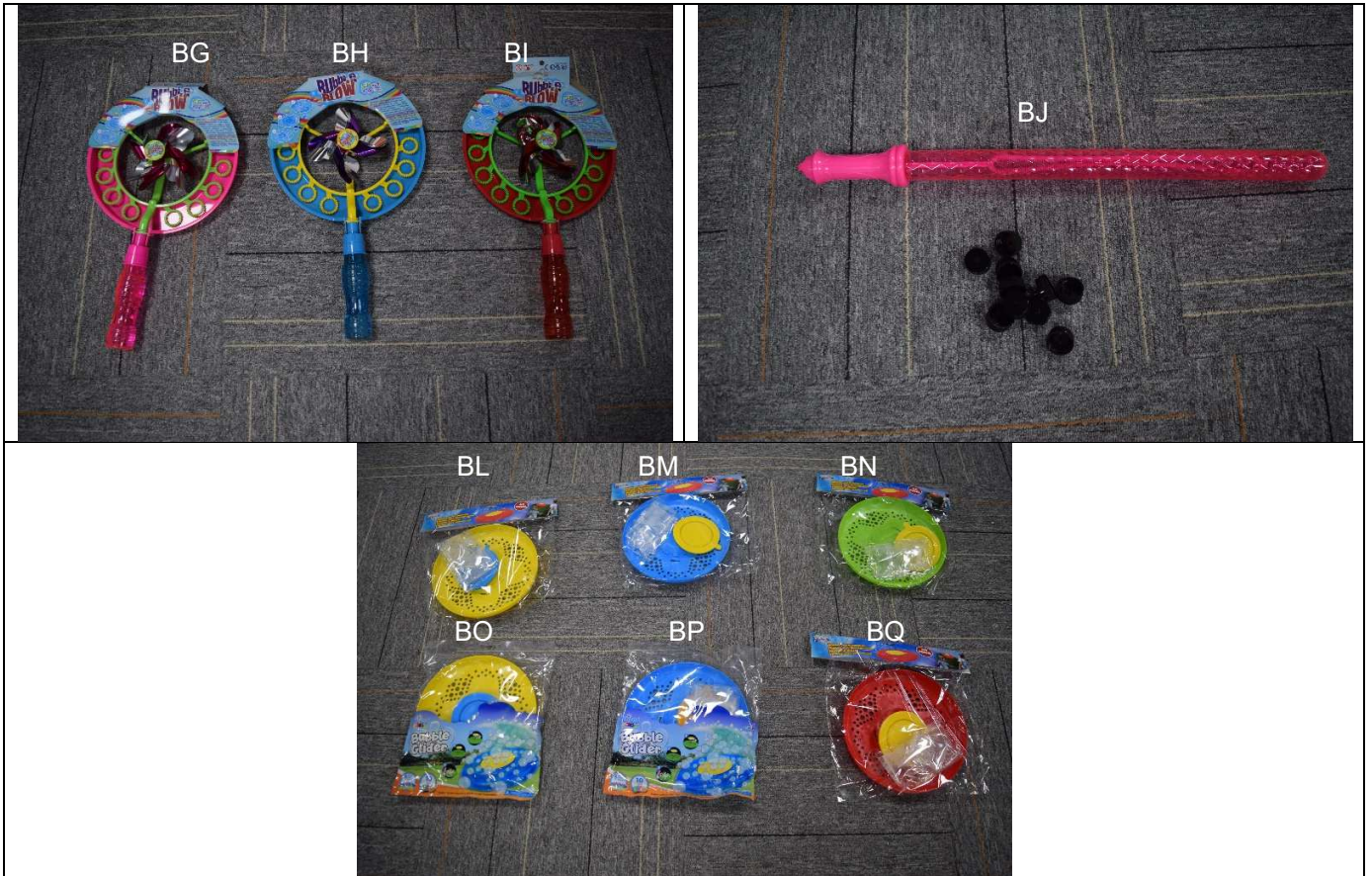
**SAMPLE PHOTO(S)**



**EFHZ22020183-CG-04**

\*\*\*TO BE CONTINUED\*\*\*

**SAMPLE PHOTO(S)**



**EFHZ22020183-CG-04**

\*\*\*TO BE CONTINUED\*\*\*

## COMPONENT LIST

Component No.	Component	Sample No.
1	Transparent liquid	A,AA,AB,AC,AD,AE,AF,AG,AH,AI,AJ,AL,AM,AN,AO,AP,AQ,AR,AS,AT,AU,AV,AW,AX,AY,AZ,B,BA,BB,BC,BD,BE,BF,BG,BH,BI,BL,BM,BN,BO,BP,BQ,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
2	Black coating on plastic	A,B,C
3	Multicolor printed paper sticker with transparent plastic film(blue)	A,B,C
4	Multicolor printed paper sticker with transparent plastic film(purple)	D,E,G,H
5	Multicolor printed paper sticker with transparent plastic film	F
6	Multicolor printed paper sticker with transparent plastic film	I
7	White paper sticker with multicolor coating(purple)	AC,BC,BF,J,K,L,M,N
8	White paper sticker with multicolor coating(green)	AG,AH,AI,AJ,P,Q,R,S,T,U,V
9	White paper sticker with multicolor coating	AA,AB,W,X,Y,Z
10	White paper sticker with multicolor coating(dark blue green)	AD,AE,AF
13	White paper sticker with multicolor coating	AL
14	White paper sticker with multicolor coating	AM,AN,AO,AP
15	White paper sticker with multicolor coating	AR,AS,AT
16	White paper sticker with multicolor coating	AQ
18	White plastic lid	A,AD,AE,AF,AM,AP,AQ,AR,AS,AT,B,C,F,P,S,T,U
19	Light orange plastic	A
20	Green plastic ring	A,BG,C
21	Light green plastic tube	A,C
22	Light orange transparent plastic bottle	A
23	Yellow plastic	B
24	Blue plastic ring	B
25	Light yellow transparent plastic bottle	B
26	Light blue plastic tube	B
27	Blue plastic	C
28	Blue transparent plastic bottle	C
29	Pink plastic lid	AU,AV,AX,BA,BC,BD,BE,BF,BG,BJ,D
30	Pink transparent plastic bottle	AU,AV,AX,BA,BC,BD,BE,BF,BG,BJ,D
31	Pink plastic stick	AU,AV,AX,BA,BC,BD,BE,BF,BJ,D,R
32	Green plastic lid	AK,AL,AU,E
33	Green transparent plastic bottle	AK,AL,AU,AV,AW,AY,BB,BD,BE,E
34	Green plastic stick	AJ,AU,AV,AW,AY,BB,BD,BE,E
35	Blue transparent plastic(body)	F
36	Blue plastic(body)	F
37	Purple plastic lid	AB,AU,AV,AX,BA,BD,BE,G,N
38	Purple transparent plastic bottle	AU,AV,AX,BA,BD,BE,G

\*\*\*TO BE CONTINUED\*\*\*

39	Purple plastic stick	AG,AH,AI,AJ,AU,AV,AX,BA,BD,BE,G,N
40	Blue plastic lid	AL,AU,H,I
41	Blue transparent plastic bottle	AL,AU,H,I
42	Red plastic lid	BI,J
43	Red plastic bottle	J
44	Orange plastic lid	AU,AV,AW,AZ,BB,BC,BD,BE,BF,K,Y
45	Bright orange plastic bottle	K
46	Yellow green plastic lid	AV,AX,BC,BD,BE,L,W
47	Yellow green plastic bottle	W
48	Pink plastic lid	AH,AK,AL,M,R,X
49	Pink plastic bottle	M,R
50	Purple plastic bottle	N
51	Green plastic lid	AJ,AV,AW,AY,BB,BD,BE,Z
52	Bright green plastic bottle	O
53	Rose plastic bottle	P,X
54	Bright yellow plastic lid	AG,AK,AZ,BC,Q
55	Yellow plastic bottle	Q
56	Yellow plastic bottle	S
57	Royal blue plastic bottle	AA,AC,T
58	Green plastic bottle	U,Z
59	Bright royal blue plastic bottle	V
60	Royal blue plastic lid	AA,AC,AI,AK,AV,AW,AY,BD,BE,BH,V
61	Orange plastic bottle	Y
62	Purple plastic bottle	AB
63	Light yellow plastic stick	AO,Q
64	Dark green plastic stick	O
65	Red plastic stick	J
66	Orange plastic stick	AU,AV,AW,AZ,BB,BC,BD,BE,BF,K
67	Yellow green plastic stick	AV,AX,BD,BE,L,V
68	White plastic stick	AA,AB,AC,AD,AE,AF,AK,AL,AM,AP,AQ,AR,AS,AT,W,X,Y,Z
69	Royal blue plastic stick	AV,AW,AY,BC,BD,BE,V
70	Bright pink plastic bottle	AF
71	Bright purple plastic bottle	AD
72	Bright blue plastic bottle	AE
73	Yellow semi-transparent plastic bottle	AG
74	Pink semi-transparent plastic bottle	AH
75	Blue semi-transparent plastic bottle	AI
76	Green semi-transparent plastic bottle	AJ
77	Green plastic lid	O
78	Light blue transparent plastic bottle	AK,BC
79	Pink transparent plastic bottle	AK,AL
80	Dark orange plastic lid	AK
81	Orange transparent plastic bottle	AK,AU
82	Blue plastic	AM,AN,AO,AP,AQ,AT
83	Light orange plastic	AM,AP,AQ
84	Transparent plastic	AM,AN,AO,AP,AQ,AR,AS,AT
85	Yellow plastic	AN,AO
86	Light red plastic	AN,AO,AP
87	Blue plastic stick	AO,AP
88	Yellow plastic stick	AZ,BC
89	Light red plastic stick	AO,AP
90	Fuchsia plastic	AP,AS
91	Green plastic	AR

\*\*\*TO BE CONTINUED\*\*\*

92	Pink plastic	AQ
93	Pink transparent plastic	AQ
94	Blue transparent plastic	AQ
95	Green transparent plastic	AQ
96	Dark blue plastic stick	AU
97	Semi-transparent plastic(handle )	AU,AV,AW,AX,AY,AZ, BA,BB,BC,BD,BE,BF,BG,BH,BI
98	Blue green plastic handle	AU,BF
99	Blue green transparent plastic bottle	AU,BF
100	Blue green plastic stick	AU,BF
101	Royal blue transparent plastic bottle	AV,AW,AY,BD,BE,BH
102	Bright orange transparent plastic bottle	AV,AW,AZ,BB,BC,BD,BE,BF
103	Bright yellow green plastic bottle	L
104	Yellow green transparent plastic bottle	AV,AX,BC,BD,BE
105	Yellow transparent plastic bottle	AZ,BC
106	Light green plastic lid	BF
107	Light green plastic stick	BF
108	Light green transparent plastic bottle	BF
109	Light blue plastic lid	BC
110	Dark green plastic lid	BC
111	Dark green plastic stick	BC
112	Dark green transparent plastic bottle	BC
113	Light green plastic ring	BG
114	Yellow plastic ring	BH
115	Red transparent plastic bottle	BI
116	Yellow plastic	BL,BM,BN,BO,BP,BQ
117	Blue plastic	BL,BM,BO,BP
118	Red plastic	BQ
119	Green plastic	BN
120	Silver soft plastic film	BG,BH,BI
121	Rose soft plastic film	BG
122	Red soft plastic film	BI
17	Purple soft plastic film	BH
12	White paper gasket	A,AG,AH,AL,B,C,D,G,I
11	Silver metal screw	BG,BH,BI

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

### Physical and Mechanical Hazards

Test Request: As specified in Consumer Safety Specification ASTM F963-17

Section	Description	Result
		Sample: A-BJ BL-BQ
4.1	Material Quality	P
4.3.7	Stuffing Materials	N/A
4.5	Sound-Producing Toys	N/A
4.6	Small Objects	A-BJ, BL-BQ: N/A
4.6.1	Toys that are intended for children under 36 months of age	N/A
4.6.2	Mouth-Actuated Toys	N/A
4.6.3	Toys that are intended for children over 36 months but less than 72 months	A-BJ, BL-BQ: N/A
4.7	Accessible Edges	P
4.8	Projections	N/A
4.8.1	Bath Toy Projections	N/A
4.9	Accessible Points	P
4.10	Wires or Rods	N/A
4.11	Nails and Fasteners	N/A
4.12	Plastic Film	A-BJ: N/A BL-BQ: P
4.13	Folding Mechanisms and Hinges	N/A
4.14	Cords, Straps and Elastics	N/A
4.15	Stability and Over-Load Requirements	N/A
4.16	Confined Spaces	N/A
4.17	Wheels, Tires, and Axles	N/A
4.18	Holes, Clearances, and Accessibility of Mechanisms	N/A
4.19	Simulated Protective Devices	N/A
4.20	Pacifiers	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A
4.25	Battery-Operated Toys (exclude section 4.25.10 Battery-powered ride-on toys and section 4.25.11 Toys contain secondary cells or secondary batteries)	N/A
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-Type Toys	N/A
4.28	Stroller and Carriage Toys	N/A
4.30	Toy Gun Marking	N/A
4.31	Balloons	N/A
4.32	Certain Toys with Nearly Spherical Ends	N/A
4.33	Marbles	N/A
4.34	Balls	N/A
4.35	Pompoms	N/A
4.36	Hemispheric-Shaped Objects	N/A
4.37	Yo Yo Elastic Tether Toys	N/A
4.38	Magnets	N/A
4.39	Jaw Entrapment in Handles and Steering Wheels	N/A
4.40	Expanding material	N/A

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Section	Description	Result
		Sample: A-BJ BL-BQ
4.41	Toy Chests	N/A
5	Labeling Requirements	
5.2	Age Grading Labeling	D-I, AK, BG, BF, AL: P BD, BE, BG-BJ&BL-BQ AJ,AM-BB: See Remark
5.3	Safety Labeling Requirements	N/A
5.4	Aquatic Toys	N/A
5.5	Crib and Playpen Toys	N/A
5.6	Mobiles	N/A
5.7	Stroller and Carriage Toys	N/A
5.8	Toys Intended to be Assembled by an Adult	N/A
5.9	Simulated Protective Devices	N/A
5.10	Toys with Functional Sharp Edges and Sharp Points	N/A
5.11	Small Objects, Small Balls, Marbles and Balloons (16 CFR 1500.19)	N/A
5.12	Toy Caps (16 CFR 1500.86 for Required Labeling)	N/A
5.13	Art Materials (16 CFR 1500.14(b)(8))	N/A
5.14	Electric Toys	N/A
5.15	Battery-Operated Toys	N/A
5.15.1	Battery-Powered Ride-On Toys	N/A
5.15.2	Button or Coin Cell Batteries	N/A
5.16	Promotional Materials	N/A
5.17	Magnets	N/A
6	Instructional Literature	N/A
6.1	Definition and Description	N/A
6.2	Crib and Playpen Toys	N/A
6.3	Mobiles	N/A
6.4	Toys Intended to be Assembled by an Adult	N/A
6.5	Battery-Operated Toys	N/A
6.6	Battery-Powered Ride-On Toys	N/A
6.7	Toys in Contact with Food	N/A
6.8	Toy Chests	N/A
7	Producer's Markings	
7.1	Producer's or Distributor's Name and Address	P
7.2	Battery-Powered Ride-on Toys	N/A
7.3	Toy Chests	N/A

**Remark:**

All toys should be labeled to indicate the minimum age for intended use or have such labeling on any retail packaging.

P - Pass

NA - Not Applicable

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Flammability of Toys

Test Request: As specified in ASTM F963-17, Section 4.2, testing procedure for materials other than textiles (excluding paper) used in toys is contained in Annex A5.

Sample	Limit	Result
		Sample: A-BJ BL-BQ
A-BJ BL-BQ	0.1 inch/second	P

**Remark:**

P - Pass

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Heavy Metals

1) ASTM F963-17- Heavy Elements – Total Lead in Paint and Similar Surface-Coating Material (Clause 4.3.5.1(1))

Test Method: ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Tested Item(s)	Unit	Limit	MDL	Result	
				1	2
Total Lead in Paint	mg/kg	90	10	ND	ND

2) ASTM F963-17- Heavy Elements – Total Lead in Substrate Material (Clause 4.3.5.2(2) (a))

Test Method: ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Tested Item(s)	Unit	Limit	MDL	Result				
				1	3	4	5	6
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				7	8	9	10	13
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				14	15	16	18	19
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				20	21	22	23	24
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				25	26	27	28	29
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				30	31	32	33	34
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				35	36	37	38	39
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				40	41	42	43	44
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				45	46	47	48	49
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				50	51	52	53	54
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				55	56	57	58	59
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				60	61	62	63	64
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				65	66	67	68	69
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				70	71	72	73	74
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				75	76	77	78	79
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				80	81	82	83	84
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				85	86	87	88	89
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				90	91	92	93	94
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				95	96	97	98	99
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				100	101	102	103	104
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				105	106	107	108	109
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				110	111	112	113	114
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				115	116	117	118	119
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				120	121	122	17	11
Total Lead in Substrate	mg/kg	100	10	ND	ND	ND	ND	ND

3) ASTM F963-17- Heavy Elements – Total Elements Content, Initial Screening for Soluble Migrated Elements Content in Surface Coatings and Substrates Other Than Modeling Clay(Clause 4.3.5.1(2) and 4.3.5.2(2)(b))

Test Method: ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Tested Item(s)	Unit	Limit	MDL	Result				
				1	2	3	4	5
Total Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	60	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				6	7	8	9	10
Total Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	172	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	32	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				13	14	15	16	18
Total Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	29	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				19	20	21	22	23
Total Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				24	25	26	27	28
Total Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				29	30	31	32	33
Total Antimony	mg/kg	60	5	ND	ND	ND	ND	129*
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				34	35	36	37	38
Total Antimony	mg/kg	60	5	ND	ND	161*	ND	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				39	40	41	42	43
Total Antimony	mg/kg	60	5	ND	ND	181*	ND	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				44	45	46	47	48
Total Antimony	mg/kg	60	5	125*	ND	121*	ND	164*
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	233	ND	ND	144
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				49	50	51	52	53
Total Antimony	mg/kg	60	5	ND	ND	ND	113*	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				54	55	56	57	58
Total Antimony	mg/kg	60	5	ND	80*	ND	ND	127*
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				59	60	61	62	63
Total Antimony	mg/kg	60	5	ND	ND	ND	ND	118*
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				64	65	66	67	68
Total Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	1241*	ND	ND	ND	184
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				69	70	71	72	73
Total Antimony	mg/kg	60	5	ND	ND	ND	ND	99*
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				74	75	76	77	78
Total Antimony	mg/kg	60	5	102*	81*	175*	232*	209*
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				79	80	81	82	83
Total Antimony	mg/kg	60	5	182*	ND	169*	193*	70*
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				84	85	86	87	88
Total Antimony	mg/kg	60	5	78*	ND	ND	ND	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				89	90	91	92	93
Total Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	63	ND	ND	72	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				94	95	96	97	98
Total Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				99	100	101	102	103
Total Antimony	mg/kg	60	5	ND	ND	ND	149*	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				104	105	106	107	108
Total Antimony	mg/kg	60	5	142*	137*	189*	151*	150*
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				109	110	111	112	113
Total Antimony	mg/kg	60	5	ND	ND	157*	ND	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				114	115	116	117	118
Total Antimony	mg/kg	60	5	ND	<b>153*</b>	ND	ND	<b>179*</b>
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	26	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				119	120	121	122	17
Total Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	392	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Total Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Total Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Total Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				126				
Total Antimony	mg/kg	60	5	ND				
Total Arsenic	mg/kg	25	5	ND				
Total Barium	mg/kg	1000	10	ND				
Total Cadmium	mg/kg	75	5	ND				
Total Chromium	mg/kg	60	5	<b>292*</b>				
Total Lead	mg/kg	90	10	ND				
Total Mercury	mg/kg	60	5	ND				
Total Selenium	mg/kg	500	10	ND				

4) ASTM F963-17- Heavy Elements – Soluble Migrated Elements Content in Surface Coatings and Substrates Other Than Modeling Clay (Clause 4.3.5.1(2) and 4.3.5.2(2)(b))

Test Method: ASTM International Standard ASTM F963-17, Section 8.3.2 to 8.3.5 (excluding 8.3.5.5(3))

Tested Item(s)	Unit	Limit	MDL	Result				
				1	2	3	4	5
Soluble Antimony	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Arsenic	mg/kg	25	5	NA	NA	NA	NA	NA
Soluble Barium	mg/kg	1000	10	NA	NA	NA	NA	NA
Soluble Cadmium	mg/kg	75	5	NA	NA	NA	NA	NA
Soluble Chromium	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Lead	mg/kg	90	10	NA	NA	NA	NA	NA
Soluble Mercury	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Selenium	mg/kg	500	10	NA	NA	NA	NA	NA

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				6	7	8	9	10
Soluble Antimony	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Arsenic	mg/kg	25	5	NA	NA	NA	NA	NA
Soluble Barium	mg/kg	1000	10	NA	NA	NA	NA	NA
Soluble Cadmium	mg/kg	75	5	NA	NA	NA	NA	NA
Soluble Chromium	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Lead	mg/kg	90	10	NA	NA	NA	NA	NA
Soluble Mercury	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Selenium	mg/kg	500	10	NA	NA	NA	NA	NA

Tested Item(s)	Unit	Limit	MDL	Result				
				13	14	15	16	18
Soluble Antimony	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Arsenic	mg/kg	25	5	NA	NA	NA	NA	NA
Soluble Barium	mg/kg	1000	10	NA	NA	NA	NA	NA
Soluble Cadmium	mg/kg	75	5	NA	NA	NA	NA	NA
Soluble Chromium	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Lead	mg/kg	90	10	NA	NA	NA	NA	NA
Soluble Mercury	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Selenium	mg/kg	500	10	NA	NA	NA	NA	NA

Tested Item(s)	Unit	Limit	MDL	Result				
				19	20	21	22	23
Soluble Antimony	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Arsenic	mg/kg	25	5	NA	NA	NA	NA	NA
Soluble Barium	mg/kg	1000	10	NA	NA	NA	NA	NA
Soluble Cadmium	mg/kg	75	5	NA	NA	NA	NA	NA
Soluble Chromium	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Lead	mg/kg	90	10	NA	NA	NA	NA	NA
Soluble Mercury	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Selenium	mg/kg	500	10	NA	NA	NA	NA	NA

Tested Item(s)	Unit	Limit	MDL	Result				
				24	25	26	27	28
Soluble Antimony	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Arsenic	mg/kg	25	5	NA	NA	NA	NA	NA
Soluble Barium	mg/kg	1000	10	NA	NA	NA	NA	NA
Soluble Cadmium	mg/kg	75	5	NA	NA	NA	NA	NA
Soluble Chromium	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Lead	mg/kg	90	10	NA	NA	NA	NA	NA
Soluble Mercury	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Selenium	mg/kg	500	10	NA	NA	NA	NA	NA

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				29	30	31	32	33
Soluble Antimony	mg/kg	60	5	NA	NA	NA	NA	ND
Soluble Arsenic	mg/kg	25	5	NA	NA	NA	NA	ND
Soluble Barium	mg/kg	1000	10	NA	NA	NA	NA	ND
Soluble Cadmium	mg/kg	75	5	NA	NA	NA	NA	ND
Soluble Chromium	mg/kg	60	5	NA	NA	NA	NA	ND
Soluble Lead	mg/kg	90	10	NA	NA	NA	NA	ND
Soluble Mercury	mg/kg	60	5	NA	NA	NA	NA	ND
Soluble Selenium	mg/kg	500	10	NA	NA	NA	NA	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				34	35	36	37	38
Soluble Antimony	mg/kg	60	5	NA	NA	ND	NA	NA
Soluble Arsenic	mg/kg	25	5	NA	NA	ND	NA	NA
Soluble Barium	mg/kg	1000	10	NA	NA	ND	NA	NA
Soluble Cadmium	mg/kg	75	5	NA	NA	ND	NA	NA
Soluble Chromium	mg/kg	60	5	NA	NA	ND	NA	NA
Soluble Lead	mg/kg	90	10	NA	NA	ND	NA	NA
Soluble Mercury	mg/kg	60	5	NA	NA	ND	NA	NA
Soluble Selenium	mg/kg	500	10	NA	NA	ND	NA	NA

Tested Item(s)	Unit	Limit	MDL	Result				
				39	40	41	42	43
Soluble Antimony	mg/kg	60	5	NA	NA	ND	NA	NA
Soluble Arsenic	mg/kg	25	5	NA	NA	ND	NA	NA
Soluble Barium	mg/kg	1000	10	NA	NA	ND	NA	NA
Soluble Cadmium	mg/kg	75	5	NA	NA	ND	NA	NA
Soluble Chromium	mg/kg	60	5	NA	NA	ND	NA	NA
Soluble Lead	mg/kg	90	10	NA	NA	ND	NA	NA
Soluble Mercury	mg/kg	60	5	NA	NA	ND	NA	NA
Soluble Selenium	mg/kg	500	10	NA	NA	ND	NA	NA

Tested Item(s)	Unit	Limit	MDL	Result				
				44	45	46	47	48
Soluble Antimony	mg/kg	60	5	ND	NA	ND	NA	ND
Soluble Arsenic	mg/kg	25	5	ND	NA	ND	NA	ND
Soluble Barium	mg/kg	1000	10	ND	NA	ND	NA	ND
Soluble Cadmium	mg/kg	75	5	ND	NA	ND	NA	ND
Soluble Chromium	mg/kg	60	5	ND	NA	ND	NA	ND
Soluble Lead	mg/kg	90	10	ND	NA	ND	NA	ND
Soluble Mercury	mg/kg	60	5	ND	NA	ND	NA	ND
Soluble Selenium	mg/kg	500	10	ND	NA	ND	NA	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				49	50	51	52	53
Soluble Antimony	mg/kg	60	5	NA	NA	NA	ND	NA
Soluble Arsenic	mg/kg	25	5	NA	NA	NA	ND	NA
Soluble Barium	mg/kg	1000	10	NA	NA	NA	ND	NA
Soluble Cadmium	mg/kg	75	5	NA	NA	NA	ND	NA
Soluble Chromium	mg/kg	60	5	NA	NA	NA	ND	NA
Soluble Lead	mg/kg	90	10	NA	NA	NA	ND	NA
Soluble Mercury	mg/kg	60	5	NA	NA	NA	ND	NA
Soluble Selenium	mg/kg	500	10	NA	NA	NA	ND	NA

Tested Item(s)	Unit	Limit	MDL	Result				
				54	55	56	57	58
Soluble Antimony	mg/kg	60	5	NA	ND	NA	NA	ND
Soluble Arsenic	mg/kg	25	5	NA	ND	NA	NA	ND
Soluble Barium	mg/kg	1000	10	NA	ND	NA	NA	ND
Soluble Cadmium	mg/kg	75	5	NA	ND	NA	NA	ND
Soluble Chromium	mg/kg	60	5	NA	ND	NA	NA	ND
Soluble Lead	mg/kg	90	10	NA	ND	NA	NA	ND
Soluble Mercury	mg/kg	60	5	NA	ND	NA	NA	ND
Soluble Selenium	mg/kg	500	10	NA	ND	NA	NA	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				59	60	61	62	63
Soluble Antimony	mg/kg	60	5	NA	NA	NA	NA	ND
Soluble Arsenic	mg/kg	25	5	NA	NA	NA	NA	ND
Soluble Barium	mg/kg	1000	10	NA	NA	NA	NA	ND
Soluble Cadmium	mg/kg	75	5	NA	NA	NA	NA	ND
Soluble Chromium	mg/kg	60	5	NA	NA	NA	NA	ND
Soluble Lead	mg/kg	90	10	NA	NA	NA	NA	ND
Soluble Mercury	mg/kg	60	5	NA	NA	NA	NA	ND
Soluble Selenium	mg/kg	500	10	NA	NA	NA	NA	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				64	65	66	67	68
Soluble Antimony	mg/kg	60	5	ND	NA	NA	NA	NA
Soluble Arsenic	mg/kg	25	5	ND	NA	NA	NA	NA
Soluble Barium	mg/kg	1000	10	ND	NA	NA	NA	NA
Soluble Cadmium	mg/kg	75	5	ND	NA	NA	NA	NA
Soluble Chromium	mg/kg	60	5	ND	NA	NA	NA	NA
Soluble Lead	mg/kg	90	10	ND	NA	NA	NA	NA
Soluble Mercury	mg/kg	60	5	ND	NA	NA	NA	NA
Soluble Selenium	mg/kg	500	10	ND	NA	NA	NA	NA

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				69	70	71	72	73
Soluble Antimony	mg/kg	60	5	NA	NA	NA	NA	ND
Soluble Arsenic	mg/kg	25	5	NA	NA	NA	NA	ND
Soluble Barium	mg/kg	1000	10	NA	NA	NA	NA	ND
Soluble Cadmium	mg/kg	75	5	NA	NA	NA	NA	ND
Soluble Chromium	mg/kg	60	5	NA	NA	NA	NA	ND
Soluble Lead	mg/kg	90	10	NA	NA	NA	NA	ND
Soluble Mercury	mg/kg	60	5	NA	NA	NA	NA	ND
Soluble Selenium	mg/kg	500	10	NA	NA	NA	NA	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				74	75	76	77	78
Soluble Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Soluble Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				79	80	81	82	83
Soluble Antimony	mg/kg	60	5	ND	NA	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	NA	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	NA	ND	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	NA	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	NA	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	NA	ND	ND	ND
Soluble Mercury	mg/kg	60	5	ND	NA	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	NA	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				84	85	86	87	88
Soluble Antimony	mg/kg	60	5	ND	NA	NA	NA	NA
Soluble Arsenic	mg/kg	25	5	ND	NA	NA	NA	NA
Soluble Barium	mg/kg	1000	10	ND	NA	NA	NA	NA
Soluble Cadmium	mg/kg	75	5	ND	NA	NA	NA	NA
Soluble Chromium	mg/kg	60	5	ND	NA	NA	NA	NA
Soluble Lead	mg/kg	90	10	ND	NA	NA	NA	NA
Soluble Mercury	mg/kg	60	5	ND	NA	NA	NA	NA
Soluble Selenium	mg/kg	500	10	ND	NA	NA	NA	NA

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				89	90	91	92	93
Soluble Antimony	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Arsenic	mg/kg	25	5	NA	NA	NA	NA	NA
Soluble Barium	mg/kg	1000	10	NA	NA	NA	NA	NA
Soluble Cadmium	mg/kg	75	5	NA	NA	NA	NA	NA
Soluble Chromium	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Lead	mg/kg	90	10	NA	NA	NA	NA	NA
Soluble Mercury	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Selenium	mg/kg	500	10	NA	NA	NA	NA	NA

Tested Item(s)	Unit	Limit	MDL	Result				
				94	95	96	97	98
Soluble Antimony	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Arsenic	mg/kg	25	5	NA	NA	NA	NA	NA
Soluble Barium	mg/kg	1000	10	NA	NA	NA	NA	NA
Soluble Cadmium	mg/kg	75	5	NA	NA	NA	NA	NA
Soluble Chromium	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Lead	mg/kg	90	10	NA	NA	NA	NA	NA
Soluble Mercury	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Selenium	mg/kg	500	10	NA	NA	NA	NA	NA

Tested Item(s)	Unit	Limit	MDL	Result				
				99	100	101	102	103
Soluble Antimony	mg/kg	60	5	NA	NA	NA	ND	NA
Soluble Arsenic	mg/kg	25	5	NA	NA	NA	ND	NA
Soluble Barium	mg/kg	1000	10	NA	NA	NA	ND	NA
Soluble Cadmium	mg/kg	75	5	NA	NA	NA	ND	NA
Soluble Chromium	mg/kg	60	5	NA	NA	NA	ND	NA
Soluble Lead	mg/kg	90	10	NA	NA	NA	ND	NA
Soluble Mercury	mg/kg	60	5	NA	NA	NA	ND	NA
Soluble Selenium	mg/kg	500	10	NA	NA	NA	ND	NA

Tested Item(s)	Unit	Limit	MDL	Result				
				104	105	106	107	108
Soluble Antimony	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND	ND	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND	ND	ND	ND
Soluble Mercury	mg/kg	60	5	ND	ND	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				109	110	111	112	113
Soluble Antimony	mg/kg	60	5	NA	NA	ND	NA	NA
Soluble Arsenic	mg/kg	25	5	NA	NA	ND	NA	NA
Soluble Barium	mg/kg	1000	10	NA	NA	ND	NA	NA
Soluble Cadmium	mg/kg	75	5	NA	NA	ND	NA	NA
Soluble Chromium	mg/kg	60	5	NA	NA	ND	NA	NA
Soluble Lead	mg/kg	90	10	NA	NA	ND	NA	NA
Soluble Mercury	mg/kg	60	5	NA	NA	ND	NA	NA
Soluble Selenium	mg/kg	500	10	NA	NA	ND	NA	NA

Tested Item(s)	Unit	Limit	MDL	Result				
				114	115	116	117	118
Soluble Antimony	mg/kg	60	5	NA	ND	NA	NA	ND
Soluble Arsenic	mg/kg	25	5	NA	ND	NA	NA	ND
Soluble Barium	mg/kg	1000	10	NA	ND	NA	NA	ND
Soluble Cadmium	mg/kg	75	5	NA	ND	NA	NA	ND
Soluble Chromium	mg/kg	60	5	NA	ND	NA	NA	ND
Soluble Lead	mg/kg	90	10	NA	ND	NA	NA	ND
Soluble Mercury	mg/kg	60	5	NA	ND	NA	NA	ND
Soluble Selenium	mg/kg	500	10	NA	ND	NA	NA	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				119	120	121	122	17
Soluble Antimony	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Arsenic	mg/kg	25	5	NA	NA	NA	NA	NA
Soluble Barium	mg/kg	1000	10	NA	NA	NA	NA	NA
Soluble Cadmium	mg/kg	75	5	NA	NA	NA	NA	NA
Soluble Chromium	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Lead	mg/kg	90	10	NA	NA	NA	NA	NA
Soluble Mercury	mg/kg	60	5	NA	NA	NA	NA	NA
Soluble Selenium	mg/kg	500	10	NA	NA	NA	NA	NA

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result
				11
Soluble Antimony	mg/kg	60	5	ND
Soluble Arsenic	mg/kg	25	5	ND
Soluble Barium	mg/kg	1000	10	ND
Soluble Cadmium	mg/kg	75	5	ND
Soluble Chromium	mg/kg	60	5	ND
Soluble Lead	mg/kg	90	10	ND
Soluble Mercury	mg/kg	60	5	ND
Soluble Selenium	mg/kg	500	10	ND

**Remark:**

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

NA = Not Applicable

\* On the initial analysis for soluble heavy metals content, any tested component of greater than the set limit, the result is inconclusive for the requirement and therefore were retested with soluble heavy metals analysis of ASTM F963-17, Sections 8.3.2 to 8.3.5 as specified in Section 8.3.1.3. The result herein is for reference only (show data), please refer to soluble heavy metals content analysis for the corresponding conclusive results.

According to Section 8.3.1.3, if results of total eight elements are below soluble limits for each element as prescribed in the table, the material can be considered to conform to requirements of 4.3.5.1(2) or 4.3.5.2(2)(b), or both, without further testing.

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Physical and Mechanical Hazards

Test Request: The Mechanical Hazards Requirements of 16 CFR 1500, after Use and Abuse Tests.

Section	Description	Result
		Sample: A-BJ BL-BQ
16 CFR 1501	Small Parts	N/A
16 CFR 1500.48	Sharp Points	P
16 CFR 1500.49	Sharp Edges	N/A
16 CFR 1510	Rattles	N/A
16 CFR 1511	Pacifier	N/A

**Remark:**

P - Pass

NA - Not Applicable

The use and abuse tests conducted are:

As Received & Normal Use (1500.50)

Impact Test (1500.53(b))

Torque Test (1500.53(e))

Tension Test (1500.53(f))

Compression Test (1500.53(g))

### Flammability Test

Test Request: As per U.S. code of federal regulations title 16 CFR 1500.3(c)(6)(vi) for flammable solid, tested by the method described in 16 CFR 1500.44.

Sample	Limit	Result
		Sample: A-BJ BL-BQ
A-BJ BL-BQ	0.1 inch/second	P

**Remark:**

P - Pass

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Total Lead Content in Paint / Surface Coating

Test Request: Total lead in paint/ similar surface coatings as specified in US Consumer Product Safety Improvement Act 2008 (CPSIA), Section 101

Test Method: CPSC-CH-E1003-09.1

The sample was acid digested, and total lead content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result
				2
Total Lead (Pb)	mg/kg	90	10	ND

#### Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Total Lead Content in Substrate

Test Request: Total lead in substrate as specified in US Consumer Product Safety Improvement Act 2008 (CPSIA), Section 101

Test Method: CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3  
The sample was acid digested, and total lead content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result			
				1	18+19+20	21+22+23	24+25+26
Total Lead(Pb)	mg/kg	100	10	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result			
				3	4	5	6
Total Lead(Pb)	mg/kg	100	10	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result			
				7	8	9	10
Total Lead(Pb)	mg/kg	100	10	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result			
				11	12	13	14
Total Lead(Pb)	mg/kg	100	10	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result	
				15	16
Total Lead(Pb)	mg/kg	100	10	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				27+28+29	30+31+32	33+34+35	36+37+38
Total Lead(Pb)	mg/kg	100	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				39+40+41	42+43+44	45+46+47	48+49+50
Total Lead(Pb)	mg/kg	100	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				51+52+53	54+55+56	57+58+59	60+61+62
Total Lead(Pb)	mg/kg	100	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				63+64+65	66+67+68	69+70+71	72+73+74
Total Lead(Pb)	mg/kg	100	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				75+76+77	78+79+80	81+82+83	84+85+86
Total Lead(Pb)	mg/kg	100	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				87+88+89	90+91+92	93+94+95	96+97+98
Total Lead(Pb)	mg/kg	100	10	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Test Item(s)	Unit	Limit	MDL	Result			
				99+100+101	102+103+104	105+106+107	108+109+110
Total Lead(Pb)	mg/kg	100	10	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				111+112+113	114+115+116	117+118+119	120+121+122
Total Lead(Pb)	mg/kg	100	10	ND	ND	ND	ND

**Remark:**

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Phthalates Content

Test Request: Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates as specified in CPSC 16 CFR part 1307.

Test Method: CPSC-CH-C1001-09.4

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					2	3	4	5
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					6	7	8	9
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					10	13	14	15
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					16	18+19+20	21+22+23	24+25+26
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					27+28+29	30+31+32	33+34+35	36+37+38
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					39+40+41	42+43+44	45+46+47	48+49+50
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					51+52+53	54+55+56	57+58+59	60+61+62
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					63+64+65	66+67+68	69+70+71	72+73+74
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					75+76+77	78+79+80	81+82+83	84+85+86
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					87+88+89	90+91+92	93+94+95	96+97+98
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					99+100+101	102+103+104	105+106+107	108+109+110
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					111+112+113	114+115+116	117+118+119	120+121+122
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					17
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.1	0.005	ND
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.1	0.005	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.1	0.005	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND

**Remarks:**

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Phthalates Content

Test Request: Phthalates Content as specified in US Consumer Product Safety Improvement Act 2008 (CPSIA), Section 108

Test Method: CPSC-CH-C1001-09.4

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					2	3	4	5
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					6	7	8	9
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					10	13	14	15
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					16	18+19+20	21+22+23	24+25+26
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					27+28+29	30+31+32	33+34+35	36+37+38
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					39+40+41	42+43+44	45+46+47	48+49+50
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					51+52+53	54+55+56	57+58+59	60+61+62
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					63+64+65	66+67+68	69+70+71	72+73+74
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					75+76+77	78+79+80	81+82+83	84+85+86
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					87+88+89	90+91+92	93+94+95	96+97+98
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					99+100+101	102+103+104	105+106+107	108+109+110
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					111+112+113	114+115+116	117+118+119	120+121+122
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					17
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND

**Remarks:**

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*END OF THE REPORT\*\*\*