

TEST REPORT

APPLICANT : IMAGEN Brands DBA Vitronic

ADDRESS : 4680 Parkway Drive, Suite 200, Mason, Ohio

SAMPLE DESCRIPTION : Plush Tech Buddies

ITEM NO. : VPLS003BR-EURO
VPLS015BR-EURO
VPLS015GY-EURO
VPLS018HEART
VPLS018PAWPRINT
VPLS0.18SMILEY

MANUFACTURER : ENP028564

BUYER : AMY MCKEEHAN

COUNTRY OF ORIGIN : China

COUNTRY OF DESTINATION : U.S.A, CANADA

AGE REQUESTED ON APPLICATION FORM : Grade Age 0 and above

LABELED AGE GRADE : Ages 0 and up

AGE GRADE APPLIED IN TESTING : All Ages

SAMPLE RECEIVED DATE : 24-Oct-2018

SAMPLE RESUBMISSION DATE : 02-Nov-2018

TURN AROUND TIME : 24-Oct-2018 to 07-Nov-2018

REVISED DATE : 13-Nov-2018

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


TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Mechanical and Physical Properties	SOR/2011-17 amended by SOR/2016-302	Pass
Flammability of Toys	SOR/2011-17 amended by SOR/2016-302	Pass
Heavy Metals In Surface Coating	SOR/2011-17 amended by SOR/2016-302	Pass
Phthalates Content	US California Proposition 65	Pass
Mechanical and Physical Properties	ASTM F963-17	Pass
Flammability of Toys	ASTM F963-17	Pass
Heavy Metals	ASTM F963-17	Pass
Total Lead Content in Substrate	US CPSIA, Section 101	Pass
Total Lead Content	US California Proposition 65	Pass
Phthalates Content	US CPSIA, Section 108	Pass
Phthalates Content	SOR/2016-188, Phthalate Regulations	Pass
Heavy Metals In Plastic Materials	SOR/2011-17 amended by SOR/2016-302	Pass
Phthalates Content	CPSC 16 CFR part 1307	Pass
Labeling Requirement of Stuffed Toys	Pennsylvania Stuffed Toys Regulations	Pass
Fabric Flammability Requirement of Stuffed Toys	Pennsylvania Stuffed Toys Regulations	Pass
Cleanliness Requirement of Stuffed Toys	Pennsylvania Stuffed Toys Regulations	Pass

Note: This report cancels and supersedes report number EFSH18101432-CG-01 issued on Nov 07th, 2018. Modification description: as per client's request, update item no. in revised report.

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.sh@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 and referring to this report number.

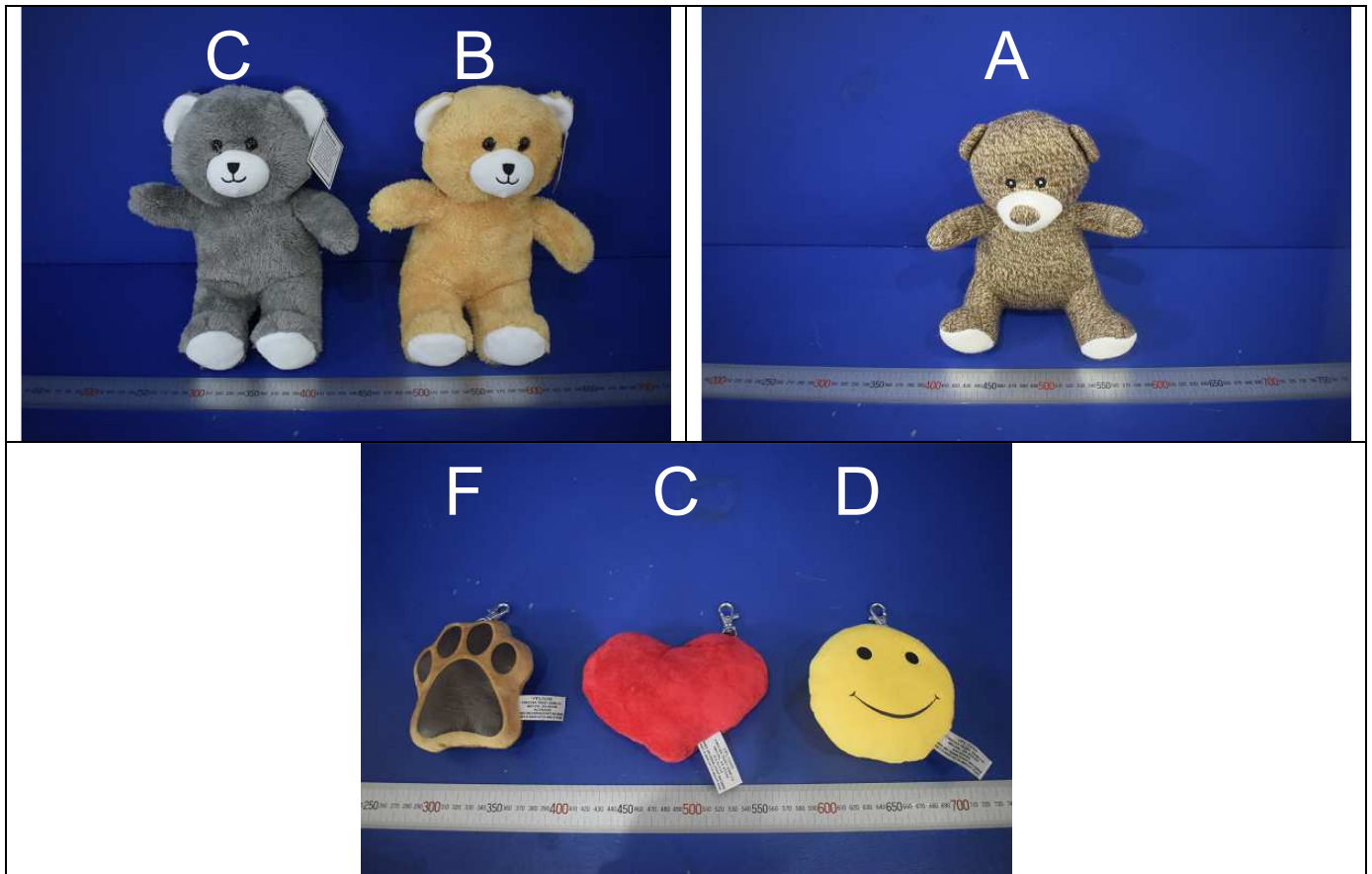
Eurofins (Shanghai) contact informationCustomer service: TracyZhang@eurofins.com / +86 21 36202992Sales specialist: RoyFeng@eurofins.com / 021-61819107 / 13665199521

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

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

Joyce Liu
Lab Manager

SAMPLE PHOTO(S)



EFSH18101432-CG-01

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	White/black coating on fabric (label)	A
2	Black coating on fabric	D
3	Brown coating on fabric	F
4	Transparent plastic eyes	B C
5	White fabric label excluding coating	A
6	Black/white fabric label	A B C D E F
7	Brown fabric body	A
8	White fabric (mouth/sole)	A
9	Dark yellow plush fabric body	B
10	Grey plush fabric body	C
11	White short plush fabric (mouth/sole)	B C
12	Yellow short plush fabric body	D
13	Red short plush fabric body	E
14	Brown short plush fabric body	F
15	Yellow fabric sling	D
16	Red fabric sling	E
17	Beige fabric sling	F
18	White embroidered threads	A
19	Black embroidered threads	A B C
20	Red embroidered threads	B C
21	Silver metal lobster clasp opener	D E F
22	Silver metal lobster clasp body	D E F
23	Silver metal lobster clasp axle	D E F
24	Silver metal lobster clasp D ring	D E F
25	White soft plastic tag pin	B C
26	White fiber stuffing	A B C D E F

TO BE CONTINUED

TEST RESULT

Mechanical and Physical Properties

Test Request: As specified in the mechanical hazards requirements of the tested sections of Canada Consumer Product Safety Act, Toys Regulations, SOR/2011-17 amended by SOR/2016-302 and Schedule 2.

Section	Description	Result
	Packaging	
4	Flexible film bag	N/A
	Mechanical Hazards	
7	Small parts	P
8	Metal edges	N/A
9	Wire frames	N/A
10	Plastic edges	P
11	Wood	N/A
12	Glass	N/A
13	Fasteners	N/A
14	Safety stops or locking devices	N/A
15	Spring-wound driving mechanisms	N/A
16	Projectile components	N/A
17	Enclosures	N/A
18	Stability	N/A
	Auditory Hazards	
19	Decibel limit	N/A
	Thermal and Flammability Hazards	
20	Heated surfaces, parts or substances	N/A
	Specific Products	
28	Dolls, plush toys and soft toys - fastenings	N/A
29	Dolls, plush toys and soft toys – stuffing	P
30	Dolls, plush toys and soft toys - small parts	N/A
31	Dolls, plush toys and soft toys - eyes and noses	P
35	Plant seeds - noise	N/A
36	Plant seeds - stuffing material	P
37	Pull and push toys - shaft-like handles	N/A
38	Toys steam engines - boilers – safety valves	N/A
39	Finger paints - water-based paints	N/A
40	Rattles - construction	N/A
41	Elastics - length or extensibility	N/A
42	Yo-Yo type balls - stretchable cord	N/A
	Canada Consumer Product Safety Act, Schedule 2	
1	Jequirity Beans	P
8	Kites	N/A
9	Kite strings	N/A
14	Lawn, darts with elongated tips	N/A

Remark:

P – Pass

NA – Not Applicable

TO BE CONTINUED

TEST RESULT

Flammability of Toys

Test Request: As specified in the flammability requirements of the tested sections of Canada Consumer Product Safety Act, Toys Regulations, SOR/2011-17 amended by SOR/2016-302.

Section	Description	Result
21	Flammability Of Cellulose Nitrate	P
32	Flammability Of Outer Covering On Doll, Plush Toy And Soft Toy	P
33	Flammability of Yarn on Doll, Plush Toy and Soft Toy	N/A
34	Flammability of Hair or Mane on Doll, Plush Toy and Soft Toy	N/A

Remark:

P – Pass

NA – Not Applicable

TO BE CONTINUED

TEST RESULT

Heavy Metals In Surface Coating

Test Request: Heavy Metals Content In Surface Coating as specified in Canada Consumer Product Safety Act - Toys Regulations, SOR/2011-17 amended by SOR/2016-302, Section 23

Test Method: Sample portion of surface coating was collected by mechanical method with surgical blade. Wet digestion with nitric acid for lead and mercury; migration of soluble elements of antimony, arsenic, barium, cadmium and selenium were performed in 5% hydrochloric acid after being stirred for 10 minutes at 20°C. All elements were analyzed by ICP-OES.

Tested Item(s)	Unit	Limit	MDL	Result		
				1	2	3
Total Lead(Pb)	%	0.009	0.001	ND	ND	ND
Total Mercury(Hg)	%	See Note	0.0001	ND	ND	ND
soluble Antimony(Sb)	%	0.1	0.0005	ND	ND	ND
soluble Arsenic(As)	%	0.1	0.00025	ND	ND	ND
soluble Barium(Ba)	%	0.1	0.001	ND	ND	ND
soluble Cadmium(Cd)	%	0.1	0.0005	ND	ND	ND
soluble Selenium(Se)	%	0.1	0.001	ND	ND	ND

Remark:

Note: Any compound of mercury introduced as such.

mg/kg = milligram per kilogram

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 California Proposition 65

Test Method: EPA 3550C:2007, EPA 8270D:2014, solvent extraction and quantification by GC-MS.

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result			
					1	2	3	4
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
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
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.1	0.005	ND	ND	ND	ND

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result
					25
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
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.1	0.005	ND

Remark:

MDL = method detection limit

ND = Not detected, less than MDL

The limit(s) was/were referred from various court cases.

Compliance with the above stated limit(s) does not show compliance with Proposition 65 or a guarantee against possible legal action but provides a relative level of assurance against potential lawsuits.

TO BE CONTINUED

TEST RESULT

Mechanical and Physical Properties

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

Section	Description	Result
4.1	Material Quality	P
4.3.7	Stuffing Materials	P
4.5	Sound-Producing Toys	N/A
4.6	Small Objects	P
4.6.1	Toys that are intended for children under 36 months of age	P
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	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	N/A
4.13	Folding Mechanisms and Hinges	N/A
4.14	Cords, Straps and Elastics	P
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	P
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
4.41	Toy Chests	N/A
5	Labeling Requirements	
5.2	Age Grading Labeling	P
5.3	Safety Labeling Requirements	N/A

TEST RESULT

Section	Description	Result
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	
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:

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
A	0.1 inch/second	P
B	0.1 inch/second	P
C	0.1 inch/second	P
D	0.1 inch/second	P
E	0.1 inch/second	P
F	0.1 inch/second	P

Remark:

P – Pass

NA – Not Applicable

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	3
Total Lead	mg/kg	90	10	ND	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				
				4	21	22	23	24
Total Lead	mg/kg	100	10	ND	10.7	19.7	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	49.9	81.4*	138*	21.3	85.9*
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	22700*	6390*	ND	ND
Total Cadmium	mg/kg	75	5	ND	ND	ND	ND	ND
Total Chromium	mg/kg	60	5	30.7	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	157*	ND	ND	196*	139*
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	32.4	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				
				11	12	13	14	15
Total Antimony	mg/kg	60	5	193*	220*	132*	190*	112*
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

TEST RESULT

Tested Item(s)	Unit	Limit	MDL	Result				
				16	17	18	19	20
Total Antimony	mg/kg	60	5	105*	132*	103*	86.2*	115*
Total Arsenic	mg/kg	25	5	ND	ND	ND	ND	ND
Total Barium	mg/kg	1000	10	ND	ND	ND	32.7	620
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

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			
				2	3	5	6
Soluble Antimony	mg/kg	60	5	ND	ND	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND	ND	ND
Soluble Barium	mg/kg	1000	10	71.0	67.8	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND	ND	ND
Soluble Mercury	mg/kg	60	5	ND	ND	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				9	10	11	12	13
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				
				14	15	16	17	18
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	
				19	20
Soluble Antimony	mg/kg	60	5	ND	ND
Soluble Arsenic	mg/kg	25	5	ND	ND
Soluble Barium	mg/kg	1000	10	ND	ND
Soluble Cadmium	mg/kg	75	5	ND	ND
Soluble Chromium	mg/kg	60	5	ND	ND
Soluble Lead	mg/kg	90	10	ND	ND
Soluble Mercury	mg/kg	60	5	ND	ND
Soluble Selenium	mg/kg	500	10	ND	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

The analytical results were adjusted by subtracting analytical correction factor.

* 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.

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.

Tested Item(s)	Unit	Limit	MDL	Result			
				4	21	22	23
Total Lead(Pb)	mg/kg	100	10	ND	10.7	19.7	ND

Tested Item(s)	Unit	Limit	MDL	Result			
				24			
Total Lead(Pb)	mg/kg	100	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

Test Request: Total lead content as specified in US California Proposition 65
 Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996
 Acid digestion/ microwave digestion method was used and total lead content was determined by ICP-OES.

Tested Item(s)	Unit	Limit	MDL	Result		
				1	2	3
Total Lead(Pb)	mg/kg	90	10	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result				
				4	21	22	23	24
Total Lead(Pb)	mg/kg	100	10	ND	10.7	19.7	ND	ND

Remark:

mg/kg = milligram per kilogram
 MDL = method detection limit
 ND = Not detected, less than MDL

The limit(s) was/were referred from various court cases.
 Compliance with the above stated limit(s) does not show compliance with Proposition 65 or a guarantee against possible legal action but provides a relative level of assurance against potential lawsuits.

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-C1001-09.3

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result			
					1	2	3	4
For toys and childcare articles								
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND	ND
Di-2-ethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND	ND
Additional requirements for toys and childcare articles, which can be placed in the mouth by children								
Diisononyl phthalate (DINP)	68515-48-0	%	0.1	0.005	ND	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND	ND
Di-iso-decylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND	ND

Remark:

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Phthalates Content

Test Request: Phthalates Content as specified in Canada Consumer Product Safety Act With Reference To The Hazardous Products Act - Phthalate Regulations, SOR/2016-188.

Test Method: EPA 3550C:2007, EPA 8270D:2014, solvent extraction and quantification by GC-MS.

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result			
					1	2	3	4
For the vinyl in a toy or child care article								
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
For the vinyl in any part of a toy or child care article that can, in a reasonably foreseeable manner, be placed in the mouth of a child under four years of age								
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

Remark:

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Heavy Metals In Plastic Materials

Test Request: Heavy Metals Content In Plastic Materials as specified in Canada Consumer Product Safety Act - Toys Regulations, SOR/2011-17 amended by SOR/2016-302, Section 27(b)

Test Method: Wet digestion with nitric acid for lead and mercury; migration of soluble elements of antimony, arsenic, barium, cadmium and selenium were performed in 5% hydrochloric acid after being stirred for 10 minutes at 20°C. All elements were analyzed by ICP-OES.

Tested Item(s)	Unit	Limit	MDL	Result
				4
Total Lead(Pb)	%	0.009	0.001	ND
Total Mercury(Hg)	%	See Note	0.0001	ND
soluble Antimony(Sb)	%	0.1	0.0005	ND
soluble Arsenic(As)	%	0.1	0.00025	ND
soluble Barium(Ba)	%	0.1	0.001	ND
soluble Cadmium(Cd)	%	0.1	0.0005	ND
soluble Selenium(Se)	%	0.1	0.001	ND

Remark:

Note: Any compound of mercury introduced as such.

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-C1001-09.3

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result			
					1	2	3	4
Diisononylphthalate (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
Di-2-ethylhexylphthalate (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

Remark:

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Labeling Requirement of Stuffed Toys

Commonwealth Of Pennsylvania - Stuffed Toys Regulations, PA Code, Title 34, Chapter 47, Sections 47.311, 47.315 and 47.316

Parameter	Observation	Conclusion
Section 47.315 - Seal of Approval (a) Each stuffed toy shall have securely affixed to it a tag or label containing the following information, which shall be clearly legible and in sufficient size type to be readily discerned. (b) Information on the label: (1) A statement that all new material or all new (type) material was used. (2) The registration number of the manufacturer or importer assigned by the Commonwealth preceded by "REG NO. PA"	Provide Provide Provide	Pass Pass Pass
Section 47.316 - Filling Material - Filling material shall be designated by its accepted generic term as set forth in Section 47.311 of this regulation.	Present Materials claimed on label: Polyester Materials inside product: Polyester	Pass

TO BE CONTINUED

TEST RESULT

Cleanliness Requirement of Stuffed Toys

Commonwealth Of Pennsylvania - Stuffed Toys Regulations, PA Code, Title 34, Chapter 47, Section 47.317 - Tolerances.

Tested Item(s)	Unit	MDL	Test Result	Limit
			26	
Material visibly reveal a pattern, weave, or other mechanical unification of threads to indicate prior use or a previous manufacturing process	-	-	Negative	Negative
Dirt and Foreign Matter,%	%	1	ND	1
Oil and Grease,%	%	1	ND	1
Lead Content (Pb),%	%	0.002	ND	0.002
Arsenic Content (as AS ₂ O ₃),%	%	0.0002	ND	0.0002
Plastic or metal ornaments	-	-	Negative	Negative
Stones or other materials with sharp edge	-	-	Negative	Negative
Electrostatic charge	-	-	Negative	Negative
Ammonia Content,%	%	5	ND	5
Urea Content,%	%	1	ND	1
Surface burns of filling materials	second	-	38	≥3 seconds for 12 square inches

Remarks:

- (1) MDL = Method Detection Limit
- (2) ND = Not Detected (< MDL)
- (3) DNI = Did Not Ignite

TO BE CONTINUED

TEST RESULT

Fabric Flammability Requirement of Stuffed Toys

Commonwealth Of Pennsylvania - Stuffed Toys Regulations, PA Code, Title 34, Chapter 47, Section 47.321 - Fabrics

Type of material: Category I - No nap, pile tufting, flock, or other type raised fibre surface

Component	Result (sec/in ²)	Class
Brown fabric	40/12	Class I

DNI=Did not ignite

Classification:

- Accepted: Class I - Time of flame spread is 20 seconds or more for 12 square inches.
Class II - Time of flame spread is 8 to 19 seconds for 12 square inches.
Class III - Time of flame spread is 3 to 7 seconds for 12 square inches.
Unsuitable: Class IV - Time of flame spread is less than 3 seconds for 12 square inches.

Fabric Flammability Requirement of Stuffed Toys

Commonwealth Of Pennsylvania - Stuffed Toys Regulations, PA Code, Title 34, Chapter 47, Section 47.321 - Fabrics

Type of material: Category II - Napped, pile, tufted, flocked, or other type raised fibre surface

Component	Result (sec/in ²)	Class
Gray fabric	39/12	Class I
Yellow fabric	38/12	Class I

DNI = Did not ignite

Classification:

- Accepted: Class I - Time of flame spread is over 7 seconds for 12 square inches.
Class II - Burns with a rapid surface flash is less than 7 seconds for 12 square inches, with no fusing or ignition of base fabric.
Class III - Time of flame spread is from 4 to 7 seconds, both inclusive, for 12 square inches with fusing or ignition of base fabric.
Unsuitable: Class IV - Time of flame spread is less than 4 seconds for 12 square inches with fusing or ignition of base fabric.

END OF THE REPORT