

TEST REPORT

Test Report # 16H-03657(A1) Date of Report Issue: July 15, 2016
 Date of Sample Received: June 28, 2016 Pages: Page 1 of 17

CLIENT INFORMATION:

Company: Hit Promotional Products
 Recipient: Nathan Cotter
 Recipient Email: ncotter@hitpromo.net



SAMPLE INFORMATION:

Description:	4" Plush Tiger, 4" Plush Monkey, 4" Plush Lion, 4" Plush Frog, 4" Plush Dog, 4" Plush Bear		
Assortment:	1 of each	Purchase Order Number:	168975
SKU No.:	1236, 1237, 1238, 1239, 1240, 1241	Agent:	Headwind (Headwear, Bags)
Factory No.:	129880	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	8 pcs (Dog, Bear), 6 pcs (Tiger, Monkey, Lion, Frog)	Recommended Age Grade:	All ages
Testing Period:	06/28/2016 – 07/07/2016 07/08/2016 – 07/11/2016 07/13/2016 – 07/15/2016	Tested Age Grade:	All ages

OVERALL RESULT:

 **PASS**

Refer to page 2 for test result summary and appropriate notes.

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TEST RESULTS SUMMARY:

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 106 & ASTM F963-11 Toy Safety, Clause 4.3.5 Total Elements Screening in Substrate Materials
PASS	CPSIA Section 106 & ASTM F963-11 Toy Safety, Clause 4.3.5 Soluble Elements in Substrate Materials
PASS	CPSIA Section 101, Total Lead in Substrate Materials
PASS	CPSIA Section 101, Total Lead in Glass and Ceramic Materials [#]
PASS	CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	CPSIA Section 106 & ASTM F963-11 Toy Safety, Clause 4.3.7 Stuffing Materials
PASS	Pennsylvania Stuffed Toy Regulation 47.317, Tolerances
PASS	CPSIA Section 102 & 16 CFR 1501, Small Parts CPSIA Section 106, Mandatory Toy Safety Standard ASTM F963-11, Mechanical Hazards 16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards
PASS	16 CFR 1500.44 and ASTM F963-11, Section 4.2, Flammability of Solids
PASS	Pennsylvania Stuffed Toy Regulations 47.321 Fabrics [#]
PASS	Pennsylvania Stuffed Toy Regulations 47.322 Nonfabric [#]
PASS	CPSIA Section 103, Tracking Labels for Children’s Products [#]
PASS	Pennsylvania Stuffed Toy Regulations 47.315 & 47.316 [#]
PASS	Ohio 4101:6-1-05(B) Label Requirements of Stuffed Toys [#]
PASS	Massachusetts 105 CMR 620.006: Stuffed Toys [#]

Remark:

CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings was not conducted as no paint and similar surface coating found on received sample.

DETAILED RESULTS:

CPSIA Section 106 & ASTM F963-11 Toy Safety, Clause 4.3.5 Total Elements Screening in Substrate Materials

Test Method: ASTM F963-11 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Substrate Materials Other Than Modeling Clay

Specimen No.	1	2	---	---	---	Soluble Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Antimony (Sb)	ND	ND	---	---	---	60
Total Arsenic (As)	ND	ND	---	---	---	25
Total Barium (Ba)	ND	ND	---	---	---	1000
Total Cadmium (Cd)	ND	ND	---	---	---	75
Total Chromium (Cr)	ND	ND	---	---	---	60
Total Lead (Pb)	ND	ND	---	---	---	90
Total Mercury (Hg)	ND	ND	---	---	---	60
Total Selenium (Se)	ND	ND	---	---	---	500
Conclusion	PASS	PASS	---	---	---	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit: Sb, As, Ba, Cd, Cr, Pb, Hg = 20 ppm; Se = 50 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The total heavy metals screening results of Specimen No. 6, 7, 8, 9, 10, 11, 12, 13, 14 and 15 exceeded the soluble heavy metal limits, therefore a separate soluble analysis was conducted.

DETAILED RESULTS:

CPSIA Section 106 & ASTM F963-11 Toy Safety, Clause 4.3.5 Soluble Elements in Substrate Materials

Test Method: ASTM F963-11 Clause 8.3.5
 Analytical Method: Inductively Coupled Plasma-Mass Spectrometry

Substrate Materials Other than Modeling Clay

Specimen No.	6	7	8	9	10	Soluble Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Soluble Antimony (Sb)	ND	ND	ND	ND	ND	60
Soluble Arsenic (As)	ND	ND	ND	ND	ND	25
Soluble Barium (Ba)	ND	ND	ND	ND	ND	1000
Soluble Cadmium (Cd)	ND	ND	ND	ND	ND	75
Soluble Chromium (Cr)	ND	ND	ND	ND	ND	60
Soluble Lead (Pb)	ND	ND	ND	ND	ND	90
Soluble Mercury (Hg)	ND	ND	ND	ND	ND	60
Soluble Selenium (Se)	ND	ND	ND	ND	ND	500
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:
 ppm (Parts per million) = mg/kg (Milligrams per kilogram)
 LT = Less than
 ND = Not detected (Reporting Limit = 2 ppm)

DETAILED RESULTS:

CPSIA Section 106 & ASTM F963-11 Toy Safety, Clause 4.3.5 Soluble Elements in Substrate Materials

Test Method: ASTM F963-11 Clause 8.3.5
 Analytical Method: Inductively Coupled Plasma-Mass Spectrometry

Substrate Materials Other than Modeling Clay

Specimen No.	11	12	13	14	15	Soluble Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Soluble Antimony (Sb)	ND	ND	ND	ND	ND	60
Soluble Arsenic (As)	ND	ND	ND	ND	ND	25
Soluble Barium (Ba)	ND	ND	ND	4	ND	1000
Soluble Cadmium (Cd)	ND	ND	ND	ND	ND	75
Soluble Chromium (Cr)	ND	ND	ND	ND	ND	60
Soluble Lead (Pb)	ND	ND	ND	ND	ND	90
Soluble Mercury (Hg)	ND	ND	ND	ND	ND	60
Soluble Selenium (Se)	ND	ND	ND	ND	ND	500
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:
 ppm (Parts per million) = mg/kg (Milligrams per kilogram)
 LT = Less than
 ND = Not detected (Reporting Limit = 2 ppm)

DETAILED RESULTS:

CPSIA Section 101, Total Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	3	4	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	---	100
Conclusion	PASS	PASS	PASS	PASS	---	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

DETAILED RESULTS:

CPSIA Section 101, Total Lead in Glass and Ceramic Materials

Test Method: AI|ANSECO Method#
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	5	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	100
Conclusion	PASS	---	---	---	---	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

DETAILED RESULTS:

CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)

Test Method: CPSC-CH-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	2	3	4	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	1000
Conclusion		PASS	PASS	PASS	PASS	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 120 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

DETAILED RESULTS:

California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)

Test Method: CPSC-CH-C1001-09.3
 Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	2	3	4	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	ND	1000
Conclusion		PASS	PASS	PASS	PASS	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 120 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.

DETAILED RESULTS:

CPSIA Section 106 & ASTM F963-11 Toy Safety, Clause 4.3.7 Stuffing Materials

Test Method: Official Methods of Analysis of the Association of Official Analytical Chemist, 15 ed., Chapter 16, 1990 – Extraneous Materials: Isolation, CH-HK-WI062

Fiber Filling¹

Specimen No.	16	
Test Item	Result	Specification
1. Material of sufficient size to visibly reveal a pattern, weave, or other mechanical unification of threads to indicate prior use or a previous manufacturing process	Absent	Absent
2. Dirt or any other foreign matter	ND	LT 1 % m/m
3. Oil and grease	ND	LT 1 % m/m
4. Lead (as Pb)	ND	LT 20 ppm
5. Arsenic (as As ₂ O ₃)	ND	LT 2 ppm
6. Ammonia	ND	LT 5 % m/m
7. Urea	ND	LT 1 % m/m
8. Plastic or metal ornaments such as eyes and nose not of a safety design or not attached to the stuffed toy so as to prevent removal	Absent	Absent
9. Stones or other hard materials having jagged or sharp edges	Absent	Absent
10. Material bearing electrostatic charge with adherence characteristics which when exposed could lodge in the windpipe, ears or nostrils	Absent	Absent
11. Surface burn rate of Filling material	MT 3 s/12 in ²	MT 3 s/12 in²
Conclusion	PASS	

Note:

% m/m = Percent by mass

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

s/in² = Second per square inch

LT = Less than; MT = More than

NA = Not applicable

ND = Not detected (Reporting Limit: Dirt or any other foreign matter = 1 %; Oil and grease = 0.1 %;

Pb = 2 ppm; As₂O₃ = 2 ppm; Ammonia = 0.5 % m/m; Urea = 0.5 % m/m)

Remark:

1. Specification refers to Tolerances of the Commonwealth of Pennsylvania Regulation for Stuffed Toys Section 47.317

DETAILED RESULTS:

Pennsylvania Stuffed Toy Regulation 47.317, Tolerances

Test Method: Official Methods of Analysis of the Association of Official Analytical Chemist, 15 ed., Chapter 16, 1990 – Extraneous Materials: Isolation and CH-HK-WI062

Specimen No.	16	
Test Item	Result	Specification
1. Material of sufficient size to visibly reveal a pattern, weave, or other mechanical unification of threads to indicate prior use or a previous manufacturing process	Absent	Absent
2. Dirt or any other foreign matter	ND	LT 1 % m/m
3. Oil and grease	ND	LT 1 % m/m
4. Lead (as Pb)	ND	LT 20 ppm
5. Arsenic (as As ₂ O ₃)	ND	LT 2 ppm
6. Ammonia	ND	LT 5 % m/m
7. Urea	ND	LT 1 % m/m
8. Plastic or metal ornaments such as eyes and nose not of a safety design or not attached to the stuffed toy so as to prevent removal	Absent	Absent
9. Stones or other hard materials having jagged or sharp edges	Absent	Absent
10. Material bearing electrostatic charge with adherence characteristics which when exposed could lodge in the windpipe, ears or nostrils	Absent	Absent
11. Surface burn rate of Filling material	MT 3 s/12 in ²	MT 3 s/12 in²
Conclusion	PASS	

Note:

% m/m = Percent by mass

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

s/in² = Second per square inch

LT = Less than; MT = More than

NA = Not applicable

ND = Not detected (Reporting Limit: Dirt or any other foreign matter = 1 %; Oil and grease = 0.1 %;

Pb = 2 ppm; As₂O₃ = 2 ppm; Ammonia = 0.5 % m/m; Urea = 0.5 % m/m)

DETAILED RESULTS:

CPSIA Section 102 & 16 CFR 1501, Small Parts

CPSIA Section 106, Mandatory Toy Safety Standard ASTM F963-11, Mechanical Hazards

16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards

Mechanical hazards evaluated as described in 16 CFR 1500.51-1500.53 and ASTM F963-11, as applicable.

Test	Observation	Conclusion
Impact	No Small Parts, Sharp Edges or Sharp Points	PASS
Torque	No Small Parts, Sharp Edges or Sharp Points	PASS
Tension	No Small Parts, Sharp Edges or Sharp Points	PASS
Seam Strength	No Seam Separation Observed	PASS

Other Applicable ASTM F963-11 Sections

Test	Observation	Conclusion
4.1	Material Quality	PASS
4.6	Small Objects	PASS
4.7	Accessible Edges	PASS
4.9	Accessible Points	PASS
4.27	Stuffed and Beanbag-Type Toys	PASS
7.1	Producers Markings	PASS

16 CFR 1500.44 and ASTM F963-11, Section 4.2, Flammability of Solids

Test	Observation	Conclusion
Flammability of Solids	The burn rate is less than 0.1 in/sec.	PASS

Pennsylvania Stuffed Toy Regulations 47.321 Fabrics[#]

Test	Observation	Conclusion
Burning characteristics	Class I – Relatively slow burning, no unusual burning characteristics	PASS

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DETAILED RESULTS:

Pennsylvania Stuffed Toy Regulations 47.322 Nonfabric#

Test	Observation	Conclusion
Burning characteristics	Class V – No unusual burning characteristics	PASS

CPSIA Section 103, Tracking Labels for Children’s Products#

Requirement	Observation	Conclusion
Manufacturer or private labeler listed, location & date of manufacture, including batch, run number and/or other identifying characteristics	Information was present on product.	PASS

Pennsylvania Stuffed Toy Regulations 47.315 & 47.316#

Test	Observation	Conclusion
Seal of approval	The product contain proper stuffed toy label	PASS
Filling material	The filling material presented in accepted generic term	PASS

Ohio 4101:6-1-05(B) Label Requirements of Stuffed Toys#

Test	Observation	Conclusion
Labeling requirements	The product contain proper stuffed toy label	PASS

Massachusetts 105 CMR 620.006: Stuffed Toys#

Test	Observation	Conclusion
Labeling requirements	The product contain proper stuffed toy label	PASS

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black printed white plastic	Sewn in label (all styles)
2	Black plastic	Eyes (all styles)
3	White foam	Back of eyes (all styles)
4	White plastic	Back of eyes (all styles)
5	Transparent glass	Beads inner body (all styles)
6	Brown textile with white thread	Head/ ear/ hands/ body (lion/ dog/ bear styles); sewing of chin (lion style)
7	Deep brown textile	Head/ ear/ body/ hand (monkey style)
8	White textile	Head (lion/ tiger/ dog styles); ear (lion/ tiger styles); body (dog style)
9	Green textile	Head/ ear/ body/ hands (frog style)
10	Black printed orange textile	Head/ ear/ body/ hands (tiger style)
11	Yellow textile	Body (frog style)
12	Flesh textile with brown thread	Head/ ear/ mouth (monkey style)
13	Light brown textile	Hair (lion style)
14	Black textile with black thread	Nose (tiger/ lion/ dog/ bear styles); mouth (tiger/ dog/ frog/ lion/ bear styles)
15	Dull white textile	Hair (tiger style)
16	White fiber	Stuffing (all styles)

DATE CODE PHOTO:



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SAMPLE PHOTO:



-End Report-