QIMA

AT-1500

Test report

24H-000977(A5)

Verify Report

Overall result

PASS

Please refer to the following pages for test result summary and notes.

Client information

Client: Imagen Brands
Address: 401 US Hwy 160
Doniphan
MO 63935
United States

Sample information

Description: Family Ring Toss Game
Assortment: -
Item no.: VOUT003
Shipment order no.: DP46459
Country of origin: China
Country of distribution: Canada, United States
Quantity submitted: 4 pcs

Test request form no.: 2724I
Labeled age grade: -
Requested age grade: 3+
Tested age grade: over 3 years of age

General information

Sample receipt date: 28-Feb-2024
Testing period: 04-Mar-2024 to 19-Mar-2024
21-Mar-2024 to 22-Mar-2024
15-Apr-2024 to 16-Apr-2024

Report date: 18-Apr-2024

QIMA Testing (HK) Limited

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The test(s) reported herein is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation. ANAB is recognized by ILAC, APAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

Result summary

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

Test(s) conducted	Conclusion
CPSIA Section 106 & ASTM F963-17 Toy Safety, Clause 4.3.5 Soluble Elements in Paints and Similar Surface Coatings	PASS
CPSIA Section 106 & ASTM F963-17 Toy Safety, Clause 4.3.5 Soluble Elements in Substrate Materials	PASS
CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings	PASS
California Proposition 65, Total Lead in Paints and Surface Coatings	PASS
CPSIA Section 101, Total Lead in Substrate Materials	PASS
California Proposition 65, Total Lead in Substrate Materials	PASS
Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content	PASS
California Proposition 65, Total Cadmium in Paints and Surface Coatings	PASS
California Proposition 65, Total Cadmium in Substrate Materials	PASS
16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)	PASS
California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)	PASS
Canadian Phthalates Regulations SOR/2016-188, Phthalates (DBP, BBP, DEHP, DnOP, DINP, DIDP) in Mouthable Vinyl Materials	PASS
Client's Requirement, Phthalate Content (DBP, BBP, DEHP, DnOP, DINP, DIDP)	PASS
Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse (TPCH)	PASS
Canadian Toys Regulations SOR/2011-17 as Amended, Item 23 – Leachable Elements in Stickers, Films and Surface Coating Materials	PASS
Canadian Toys Regulations SOR/2011-17 as Amended, Item 23 – Total Lead and Mercury in Stickers, Films and Surface Coating Materials	PASS
CPSIA Section 106[#], Mandatory Toy Safety Standard ASTM F963-17, Mechanical Hazards (Excluding Section 5,6,7) 16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards	PASS
16 CFR 1500.44 and ASTM F963-17, Section 4.2, Flammability of Solids	PASS
19 CFR 134.11–Country of Origin–Labeling Review[#]	PASS
CPSIA Section 103-Children's Products-Labeling Review (Tracking Labels) [#]	PASS
Canadian Toy Regulations SOR/2011-17 as amended, Mechanical Hazards Requirements	PASS
Canadian Toy Regulations SOR/2011-17 as Amended, Item 21 Celluloid or Cellulose Nitrate	PASS
Marking of Imported Goods Order, (C.R.C., c.535), Country of Origin [#]	PASS

Detailed results

CPSIA Section 106 & ASTM F963-17 Toy Safety, Clause 4.3.5 Soluble Elements in Paints and Similar Surface Coatings

Test Method: ASTM F963-17 Clause 8.3.2
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry and/or Inductively Coupled Plasma-Mass Spectrometry

Specimen No.	1	2	3	4	5	**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	14	130	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 = 5 ppm)
Results are adjusted according to ASTM F963-17 Toy Safety, Section 8.3.4.3.Materials are deemed to conform with the requirements if the adjusted analytical result for the migrated element is less than or equal to the permissible limit.
The decision rule for stating conformity is based on ASTM F963-17 Toy Safety.

Analytical correction								
Soluble Element(s)	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical Correction (%)	60	60	30	30	30	30	50	60

Detailed results

CPSIA Section 106 & ASTM F963-17 Toy Safety, Clause 4.3.5 Soluble Elements in Paints and Similar Surface Coatings

Test Method: ASTM F963-17 Clause 8.3.2
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry and/or Inductively Coupled Plasma-Mass Spectrometry

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

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 5 ppm)
Results are adjusted according to ASTM F963-17 Toy Safety, Section 8.3.4.3.Materials are deemed to conform with the requirements if the adjusted analytical result for the migrated element is less than or equal to the permissible limit.
The decision rule for stating conformity is based on ASTM F963-17 Toy Safety.

Analytical correction								
Soluble Element(s)	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical Correction (%)	60	60	30	30	30	30	50	60

Specimen description

Specimen #	Specimen description	Location
1	Multicolor coating with clear lacquer	On wooden box (COUT022/ COUT023 styles); On wooden dices (VOUT002/ VOUT030 styles); On peg/ bead of rope rings/ wood pieces (VOUT003 style); On top of cornhole board (VOUT008 style); On game boards (VOUT011 style); On game pieces (VOUT013/ VOUT014 style)
2	Deep red coating	On peg/ bead of rope rings (VOUT003 style)
3	Deep blue coating	On peg/ bead of rope rings (VOUT003 style)
4	Yellow coating	On peg/ bead of rope rings (VOUT003 style)
5	Green coating	On peg/ bead of rope rings (VOUT003 style)
10	Dull black coating	On zipper head/ zipper puller (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)

Detailed results

CPSIA Section 106 & ASTM F963-17 Toy Safety, Clause 4.3.5 Soluble Elements in Substrate Materials

Test Method: ASTM F963-17 Clause 8.3.5
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry and/or Inductively Coupled Plasma-Mass Spectrometry

Substrate Materials Other than Modeling Clay

Specimen No.	15	16	21	38	58	**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	19	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 = 5 ppm)
Results are adjusted according to ASTM F963-17 Toy Safety, Section 8.3.4.3.Materials are deemed to conform with the requirements if the adjusted analytical result for the migrated element is less than or equal to the permissible limit.
The decision rule for stating conformity is based on ASTM F963-17 Toy Safety.

Analytical correction								
Soluble Element(s)	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical Correction (%)	60	60	30	30	30	30	50	60

Detailed results

CPSIA Section 106 & ASTM F963-17 Toy Safety, Clause 4.3.5 Soluble Elements in Substrate Materials

Test Method: ASTM F963-17 Clause 8.3.5
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry and/or Inductively Coupled Plasma-Mass Spectrometry

Substrate Materials Other than Modeling Clay

Specimen No.	59	60	---	---	---	**Soluble Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Soluble Antimony (Sb)	ND	ND	---	---	---	**60**
Soluble Arsenic (As)	ND	ND	---	---	---	**25**
Soluble Barium (Ba)	ND	ND	---	---	---	**1000**
Soluble Cadmium (Cd)	ND	ND	---	---	---	**75**
Soluble Chromium (Cr)	ND	ND	---	---	---	**60**
Soluble Lead (Pb)	ND	ND	---	---	---	**90**
Soluble Mercury (Hg)	ND	ND	---	---	---	**60**
Soluble 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 = 5 ppm)
Results are adjusted according to ASTM F963-17 Toy Safety, Section 8.3.4.3.Materials are deemed to conform with the requirements if the adjusted analytical result for the migrated element is less than or equal to the permissible limit.
The decision rule for stating conformity is based on ASTM F963-17 Toy Safety.

Analytical correction								
Soluble Element(s)	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical Correction (%)	60	60	30	30	30	30	50	60

Specimen description

Specimen #	Specimen description	Location
15	White decal	On outer main shell of bag (VOUT001/ VOUT002/ VOUT003 styles)
16	Black printed white plastic	Sewn-in label (COUT022/ VOUT001/ VOUT002/ VOUT003/ VOUT008/ VOUT009/ VOUT011/ VOUT013/ VOUT014/ VOUT030/ VOUT035 styles)
21	Black plastic	Zipper teeth (VOUT001/ VOUT002/ VOUT003/ VOUT030 styles)
37	Black textile with black PVC backing	Main shell of bag (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles); Handle (VOUT001 style)
38	Black textile with black PVC backing with black thread	Main shell of bag/ sewing (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles); Handle (VOUT001 style)
58	Flat black textile with matt black thread	Zipper tape/ sewing (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)
59	Dull black knitted textile with soft black thread	Handle/ sewing (VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)
60	Beige knitted textile	Rope rings (VOUT003 style)

Detailed results

CPSIA Section 101 & 16 CFR 1303, California Proposition 65 and Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content

Test Method: CPSC-CH-E-1003-09.1 (Coating)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	3	4	5	10
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)
Total Lead (Pb)	ND	ND	ND	ND	ND	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS

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.	15	16	21	38	56	58
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)
Total Lead (Pb)	ND	ND	ND	ND	ND	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS

Specimen No.	59	60	84	85	86	87
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)
Total Lead (Pb)	ND	ND	39	31	ND	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 10 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
The specification is quoted from client's requirement.

Summary of Requirement:

Requirement	Limit
CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings	90 ppm
California Proposition 65, Total Lead in Paints and Surface Coatings	90 ppm
CPSIA Section 101, Total Lead in Substrate Materials	100 ppm
California Proposition 65, Total Lead in Substrate Materials	100 ppm
Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content	90 mg/kg

Specimen description

Specimen #	Specimen description	Location
1	Multicolor coating with clear lacquer	On wooden box (COUT022/ COUT023 styles); On wooden dices (VOUT002/ VOUT030 styles); On peg/ bead of rope rings/ wood pieces (VOUT003 style); On top of cornhole board (VOUT008 style); On game boards (VOUT011 style); On game pieces (VOUT013/ VOUT014 style)
2	Deep red coating	On peg/ bead of rope rings (VOUT003 style)
3	Deep blue coating	On peg/ bead of rope rings (VOUT003 style)
4	Yellow coating	On peg/ bead of rope rings (VOUT003 style)
5	Green coating	On peg/ bead of rope rings (VOUT003 style)
10	Dull black coating	On zipper head/ zipper puller (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)
15	White decal	On outer main shell of bag (VOUT001/ VOUT002/ VOUT003 styles)
16	Black printed white plastic	Sewn-in label (COUT022/ VOUT001/ VOUT002/ VOUT003/ VOUT008/ VOUT009/ VOUT011/ VOUT013/ VOUT014/ VOUT030/ VOUT035 styles)
21	Black plastic	Zipper teeth (VOUT001/ VOUT002/ VOUT003/ VOUT030 styles)
38	Black textile with black PVC backing with black thread	Main shell of bag/ sewing (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles); Handle (VOUT001 style)
56	Brown natural wood	Wooden box (COUT022 style); Wooden blocks (VOUT001 style); Wooden dices (VOUT002/ VOUT030 styles); Pegs/ beads of rope rings/ wood pieces (VOUT003 style); Legs of cornhole board (VOUT008 style); Game boards (VOUT011 style); Game pieces (VOUT013/ VOUT014 styles); Chips (VOUT030 style); Paddle handle (VOUT048 style)
58	Flat black textile with matt black thread	Zipper tape/ sewing (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)
59	Dull black knitted textile with soft black thread	Handle/ sewing (VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)

Specimen description

Specimen #	Specimen description	Location
60	Beige knitted textile	Rope rings (VOUT003 style)
84	Silvery metal	Zipper head (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)
85	Dull silvery metal	Zipper puller (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)
86	Golden plated coppery metal	Screw of pegs (VOUT003 style)
87	Golden plated dull coppery metal	Nuts of screw of wood pieces (VOUT003 style)

Detailed results

California Proposition 65, Total Cadmium in Paints and Surface Coatings

Test Method: ASTM F963-17 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	3	4	5	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Cadmium (Cd)	ND	ND	ND	ND	ND	**75**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	10	---	---	---	---	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Cadmium (Cd)	ND	---	---	---	---	**75**
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.

Remark:
The limit is quoted from client's requirement.

Specimen description

Specimen #	Specimen description	Location
1	Multicolor coating with clear lacquer	On wooden box (COUT022/ COUT023 styles); On wooden dices (VOUT002/ VOUT030 styles); On peg/ bead of rope rings/ wood pieces (VOUT003 style); On top of cornhole board (VOUT008 style); On game boards (VOUT011 style); On game pieces (VOUT013/ VOUT014 style)
2	Deep red coating	On peg/ bead of rope rings (VOUT003 style)
3	Deep blue coating	On peg/ bead of rope rings (VOUT003 style)
4	Yellow coating	On peg/ bead of rope rings (VOUT003 style)
5	Green coating	On peg/ bead of rope rings (VOUT003 style)
10	Dull black coating	On zipper head/ zipper puller (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)

Detailed results

California Proposition 65, Total Cadmium in Substrate Materials

Test Method: ASTM F963-17 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	15	16	21	38	56	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Cadmium (Cd)	ND	ND	ND	ND	ND	**75**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	58	59	60	84	85	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Cadmium (Cd)	ND	ND	ND	ND	ND	**75**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	86	87	---	---	---	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Cadmium (Cd)	ND	ND	---	---	---	**75**
Conclusion	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.

Remark:
The limit is quoted from client's requirement.

Specimen description

Specimen #	Specimen description	Location
15	White decal	On outer main shell of bag (VOUT001/ VOUT002/ VOUT003 styles)
16	Black printed white plastic	Sewn-in label (COUT022/ VOUT001/ VOUT002/ VOUT003/ VOUT008/ VOUT009/ VOUT011/ VOUT013/ VOUT014/ VOUT030/ VOUT035 styles)
21	Black plastic	Zipper teeth (VOUT001/ VOUT002/ VOUT003/ VOUT030 styles)
38	Black textile with black PVC backing with black thread	Main shell of bag/ sewing (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles); Handle (VOUT001 style)
56	Brown natural wood	Wooden box (COUT022 style); Wooden blocks (VOUT001 style); Wooden dices (VOUT002/ VOUT030 styles); Pegs/ beads of rope rings/ wood pieces (VOUT003 style); Legs of cornhole board (VOUT008 style); Game boards (VOUT011 style); Game pieces (VOUT013/ VOUT014 styles); Chips (VOUT030 style); Paddle handle (VOUT048 style)
58	Flat black textile with matt black thread	Zipper tape/ sewing (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)
59	Dull black knitted textile with soft black thread	Handle/ sewing (VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)
60	Beige knitted textile	Rope rings (VOUT003 style)
84	Silvery metal	Zipper head (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)
85	Dull silvery metal	Zipper puller (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)
86	Golden plated coppery metal	Screw of pegs (VOUT003 style)
87	Golden plated dull coppery metal	Nuts of screw of wood pieces (VOUT003 style)

Detailed results

16 CFR 1307, California Proposition 65, Canadian Phthalates Regulations SOR/2016-188 and Client's Requirement, Phthalates Content

Test Method: CPSC-CH-C1001-09.4
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	2	3	4	5
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND
Di-(2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND	ND	ND	ND	ND
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	ND
Di-N-Hexyl Phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	ND	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	ND	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND
Di-N-Pentyl Phthalate (DPENP)	131-18-0	ND	ND	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	ND
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	ND
	Conclusion	PASS	PASS	PASS	PASS	PASS

Note:
% w/w = Percent by weight
LT = Less than
ND = Not detected (Reporting Limit = 0.015 % w/w)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Detailed results

16 CFR 1307, California Proposition 65, Canadian Phthalates Regulations SOR/2016-188 and Client's Requirement, Phthalates Content

Test Method: CPSC-CH-C1001-09.4
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		10	15	16	21	37
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND
Di-(2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND	ND	ND	ND	ND
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	ND
Di-N-Hexyl Phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	ND	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	ND	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND
Di-N-Pentyl Phthalate (DPENP)	131-18-0	ND	ND	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	ND
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	ND
	Conclusion	PASS	PASS	PASS	PASS	PASS

Note:
% w/w = Percent by weight
LT = Less than
ND = Not detected (Reporting Limit = 0.015 % w/w)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Summary of Requirement:

Requirement	Limit
16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)	0.1 % w/w each
California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)	0.1 % w/w each
Canadian Phthalates Regulations SOR/2016-188, Phthalates (DBP, BBP, DEHP, DnOP, DINP, DIDP) in Mouthable Vinyl Materials	0.1 % w/w each
Client's Requirement, Phthalate Content (DBP, BBP, DEHP, DnOP, DINP, DIDP)	0.1 % w/w each

Specimen description

Specimen #	Specimen description	Location
1	Multicolor coating with clear lacquer	On wooden box (COUT022/ COUT023 styles); On wooden dices (VOUT002/ VOUT030 styles); On peg/ bead of rope rings/ wood pieces (VOUT003 style); On top of cornhole board (VOUT008 style); On game boards (VOUT011 style); On game pieces (VOUT013/ VOUT014 style)
2	Deep red coating	On peg/ bead of rope rings (VOUT003 style)
3	Deep blue coating	On peg/ bead of rope rings (VOUT003 style)
4	Yellow coating	On peg/ bead of rope rings (VOUT003 style)
5	Green coating	On peg/ bead of rope rings (VOUT003 style)
10	Dull black coating	On zipper head/ zipper puller (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)
15	White decal	On outer main shell of bag (VOUT001/ VOUT002/ VOUT003 styles)
16	Black printed white plastic	Sewn-in label (COUT022/ VOUT001/ VOUT002/ VOUT003/ VOUT008/ VOUT009/ VOUT011/ VOUT013/ VOUT014/ VOUT030/ VOUT035 styles)
21	Black plastic	Zipper teeth (VOUT001/ VOUT002/ VOUT003/ VOUT030 styles)
37	Black textile with black PVC backing	Main shell of bag (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles); Handle (VOUT001 style)

Detailed results

Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse (TPCH)

Test Method: CH-HK-WI063
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry, Ultraviolet-Visible Spectrophotometry

Specimen No.	90	95	---	---	---	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Cadmium (Cd)	ND	ND	---	---	---	
Chromium VI (Cr VI)	ND	ND	---	---	---	
Lead (Pb)	ND	ND	---	---	---	
Mercury (Hg)	ND	ND	---	---	---	
Sum	ND	ND	---	---	---	**100**
Conclusion	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.
Total Chromium is reported for Chromium (VI) unless specified.

Specimen description

Specimen #	Specimen description	Location
90	Clear laminated light white/ matt brown paperboard with adhesive	Blank paper box (VOUT003/ VOUT035/ VOUT048 styles)
95	Black printed matt white paper	Instruction sheet (all styles except VOUT011 style)

Detailed results

Canadian Toys Regulations SOR/2011-17 as Amended, Item 23 – Leachable Elements in Stickers, Films and Surface Coating Materials

Test Method: ASTM F963-17
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry and/or Inductively Coupled Plasma-Mass Spectrometry

Specimen No.	1	2	3	4	5	**Leachable**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Leachable Antimony (Sb)	ND	ND	ND	ND	ND	**1000**
Leachable Arsenic (As)	ND	ND	ND	ND	ND	**1000**
Leachable Barium (Ba)	ND	14	130	ND	ND	**1000**
Leachable Cadmium (Cd)	ND	ND	ND	ND	ND	**1000**
Leachable Selenium (Se)	ND	ND	ND	ND	ND	**1000**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	10	---	---	---	---	**Leachable**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Leachable Antimony (Sb)	ND	---	---	---	---	**1000**
Leachable Arsenic (As)	ND	---	---	---	---	**1000**
Leachable Barium (Ba)	ND	---	---	---	---	**1000**
Leachable Cadmium (Cd)	ND	---	---	---	---	**1000**
Leachable Selenium (Se)	ND	---	---	---	---	**1000**
Conclusion	PASS	---	---	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 50 ppm)

Results are adjusted according to ASTM F963-17 Toy Safety, Section 8.3.4.3. Materials are deemed to conform with the requirements if the adjusted analytical result for the migrated element is less than or equal to the permissible limit. The decision rule for stating conformity is based on ASTM F963-17 Toy Safety.

Analytical correction					
Soluble Element(s)	Sb	As	Ba	Cd	Se
Analytical Correction (%)	60	60	30	30	60

Specimen description

Specimen #	Specimen description	Location
1	Multicolor coating with clear lacquer	On wooden box (COUT022/ COUT023 styles); On wooden dices (VOUT002/ VOUT030 styles); On peg/ bead of rope rings/ wood pieces (VOUT003 style); On top of cornhole board (VOUT008 style); On game boards (VOUT011 style); On game pieces (VOUT013/ VOUT014 style)
2	Deep red coating	On peg/ bead of rope rings (VOUT003 style)
3	Deep blue coating	On peg/ bead of rope rings (VOUT003 style)
4	Yellow coating	On peg/ bead of rope rings (VOUT003 style)
5	Green coating	On peg/ bead of rope rings (VOUT003 style)
10	Dull black coating	On zipper head/ zipper puller (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)

Detailed results

Canadian Toys Regulations SOR/2011-17 as Amended, Item 23 – Total Lead and Mercury in Stickers, Films and Surface Coating Materials

Test Method: ASTM F963-17 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	3	4	5	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	**90**
Total Mercury (Hg)	ND	ND	ND	ND	ND	**10**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	10	---	---	---	---	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	**90**
Total Mercury (Hg)	ND	---	---	---	---	**10**
Conclusion	PASS	---	---	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 10 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Specimen description

Specimen #	Specimen description	Location
1	Multicolor coating with clear lacquer	On wooden box (COUT022/ COUT023 styles); On wooden dices (VOUT002/ VOUT030 styles); On peg/ bead of rope rings/ wood pieces (VOUT003 style); On top of cornhole board (VOUT008 style); On game boards (VOUT011 style); On game pieces (VOUT013/ VOUT014 style)
2	Deep red coating	On peg/ bead of rope rings (VOUT003 style)
3	Deep blue coating	On peg/ bead of rope rings (VOUT003 style)
4	Yellow coating	On peg/ bead of rope rings (VOUT003 style)
5	Green coating	On peg/ bead of rope rings (VOUT003 style)
10	Dull black coating	On zipper head/ zipper puller (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles)

Detailed results

CPSIA Section 106#, Mandatory Toy Safety Standard ASTM F963-17, 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 F963-17, as applicable.

Test	Observation	Conclusion
Impact	No Sharp Edges or Sharp Points	PASS
Torque	No Sharp Edges or Sharp Points	PASS
Tension	No Sharp Edges or Sharp Points	PASS

Other Applicable ASTM F963-17 Sections

Section	Test	Conclusion
4.1	Material Quality	PASS
4.7	Accessible Edges	PASS
4.8	Projections	PASS
4.9	Accessible Points	PASS
4.12	Plastic Film	PASS
4.21	Projectile Toys	PASS

16 CFR 1500.44 and ASTM F963-17, Section 4.2, Flammability of Solids

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

Detailed results

19 CFR 134.11–Country of Origin–Labeling Review#

Test	Observation	Conclusion
Country of Origin	Present on packaging and can be read easily by consumer at the point of sale	PASS

CPSIA Section 103-Children's Products-Labeling Review (Tracking Labels)

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

Detailed results

Canadian Toy Regulations SOR/2011-17 as amended, Mechanical Hazards Requirements

Mechanical hazards evaluated as described in SOR/2011-17, as applicable.

Test	Observation	Conclusion
Impact	No Sharp Edge or Sharp Point	PASS
Push/Pull	No Sharp Edge or Sharp Point	PASS

Section	Requirement	Conclusion
4	Flexible Film Bags	PASS
10	Plastic Edges	PASS
11	Wood	PASS

Canadian Toy Regulations SOR/2011-17 as Amended, Item 21 Celluloid or Cellulose Nitrate

(Method: Visual Observation)

Test	Observation	Conclusion
Cellulose Nitrate	No visual signs of Cellulose Nitrate.	PASS

Detailed results

Marking of Imported Goods Order, (C.R.C., c.535), Country of Origin

Section	Requirement	Conclusion
2	Country of Origin Markings	PASS

Pictures

Sample photo:

End of the report