

Test report

24H-000977(A13)



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: Fun-On-The-Go-Game - Ladder Ball | Test request form no.: 2724I |
| Assortment: - | Labeled age grade: - |
| Item no.: VOUT035 | Requested age grade: 3+ |
| Shipment order no.: DP52224 | Tested age grade: over 3 years of age |
| Country of origin: China | |
| Country of distribution: Canada, United States | |
| Quantity submitted: 4 pcs | |

General information

| | |
|--|--------------------------|
| Sample receipt date: 28-Feb-2024 | Report date: 18-Apr-2024 |
| Testing period: 04-Mar-2024 to 19-Mar-2024 | |
| 21-Mar-2024 to 22-Mar-2024 | |
| 15-Apr-2024 to 16-Apr-2024 | |

QIMA Testing (HK) Limited



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Verify Report

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Page 1 of 22



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) | PASS |
| 16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards | |
| 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. | 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 |
|------------|----------------------|--|
| 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. | 16 | 28 | 29 | 30 | 38 | 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 | ND | 10 | 19 | 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. | 39 | 40 | 41 | 42 | 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 | 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 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 | 73 | --- | --- | --- | 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 |
|------------|--|--|
| 16 | Black printed white plastic | Sewn-in label (COUT022/ VOUT001/ VOUT002/ VOUT003/ VOUT008/ VOUT009/ VOUT011/ VOUT013/ VOUT014/ VOUT030/ VOUT035 styles) |
| 28 | Dull red plastic | Toss ball (VOUT035 style) |
| 29 | Dull blue plastic | Toss ball (VOUT035 style) |
| 30 | Matt black plastic | Connector of poles (VOUT035 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) |
| 39 | Dull black PVC | Poles (VOUT035 style) |
| 40 | Red PVC | Poles (VOUT035 style) |
| 41 | Yellow PVC | Poles (VOUT035 style) |
| 42 | Blue PVC | Poles (VOUT035 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) |
| 73 | Pearl white knitted textile | String of ladder toss balls (VOUT035 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. | 10 | --- | --- | --- | --- | --- |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Test Item | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) |
| Total Lead (Pb) | ND | --- | --- | --- | --- | --- |
| Conclusion | 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. | 16 | 28 | 29 | 30 | 38 | 39 |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 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. | 40 | 41 | 42 | 58 | 59 | 73 |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 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. | 84 | 85 | --- | --- | --- | --- |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Test Item | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) |
| Total Lead (Pb) | 39 | 31 | --- | --- | --- | --- |
| Conclusion | 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 |
|------------|--|--|
| 10 | Dull black coating | On zipper head/ zipper puller (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles) |
| 16 | Black printed white plastic | Sewn-in label (COUT022/ VOUT001/ VOUT002/ VOUT003/ VOUT008/ VOUT009/ VOUT011/ VOUT013/ VOUT014/ VOUT030/ VOUT035 styles) |
| 28 | Dull red plastic | Toss ball (VOUT035 style) |
| 29 | Dull blue plastic | Toss ball (VOUT035 style) |
| 30 | Matt black plastic | Connector of poles (VOUT035 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) |
| 39 | Dull black PVC | Poles (VOUT035 style) |
| 40 | Red PVC | Poles (VOUT035 style) |
| 41 | Yellow PVC | Poles (VOUT035 style) |
| 42 | Blue PVC | Poles (VOUT035 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) |
| 73 | Pearl white knitted textile | String of ladder toss balls (VOUT035 style) |
| 84 | Silvery metal | Zipper head (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles) |
| 85 | Dull silvery metal | Zipper puller (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles) |





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. | 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 |
|------------|----------------------|--|
| 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. | 16 | 28 | 29 | 30 | 38 | 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. | 39 | 40 | 41 | 42 | 58 | 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. | 59 | 73 | 84 | 85 | --- | Total Limit (ppm) |
|--------------------|--------------|--------------|--------------|--------------|--------------|-------------------------|
| Test Item | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | |
| Total Cadmium (Cd) | ND | ND | ND | ND | --- | 75 |
| 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.

Remark:

The limit is quoted from client's requirement.





Specimen description

| Specimen # | Specimen description | Location |
|------------|--|--|
| 16 | Black printed white plastic | Sewn-in label (COUT022/ VOUT001/ VOUT002/ VOUT003/ VOUT008/ VOUT009/ VOUT011/ VOUT013/ VOUT014/ VOUT030/ VOUT035 styles) |
| 28 | Dull red plastic | Toss ball (VOUT035 style) |
| 29 | Dull blue plastic | Toss ball (VOUT035 style) |
| 30 | Matt black plastic | Connector of poles (VOUT035 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) |
| 39 | Dull black PVC | Poles (VOUT035 style) |
| 40 | Red PVC | Poles (VOUT035 style) |
| 41 | Yellow PVC | Poles (VOUT035 style) |
| 42 | Blue PVC | Poles (VOUT035 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) |
| 73 | Pearl white knitted textile | String of ladder toss balls (VOUT035 style) |
| 84 | Silvery metal | Zipper head (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles) |
| 85 | Dull silvery metal | Zipper puller (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles) |





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 | 16 | 28 | 29 | 30 |
|-------------------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|
| 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. | | 37 | 39 | 40 | 41 | 42 |
|-------------------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|
| 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 |
|------------|--------------------------------------|--|
| 10 | Dull black coating | On zipper head/ zipper puller (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles) |
| 16 | Black printed white plastic | Sewn-in label (COUT022/ VOUT001/ VOUT002/ VOUT003/ VOUT008/ VOUT009/ VOUT011/ VOUT013/ VOUT014/ VOUT030/ VOUT035 styles) |
| 28 | Dull red plastic | Toss ball (VOUT035 style) |
| 29 | Dull blue plastic | Toss ball (VOUT035 style) |
| 30 | Matt black plastic | Connector of poles (VOUT035 style) |
| 37 | Black textile with black PVC backing | Main shell of bag (VOUT001/ VOUT002/ VOUT003/ VOUT030/ VOUT035 styles); Handle (VOUT001 style) |
| 39 | Dull black PVC | Poles (VOUT035 style) |
| 40 | Red PVC | Poles (VOUT035 style) |
| 41 | Yellow PVC | Poles (VOUT035 style) |
| 42 | Blue PVC | Poles (VOUT035 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 | 93 | 95 | --- | --- | Total Limit (ppm) |
|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------------|
| Test Item | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | |
| Cadmium (Cd) | ND | ND | ND | --- | --- | |
| Chromium VI (Cr VI) | ND | ND | ND | --- | --- | |
| Lead (Pb) | ND | ND | ND | --- | --- | |
| Mercury (Hg) | ND | ND | ND | --- | --- | |
| Sum | ND | ND | ND | --- | --- | 100 |
| Conclusion | 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.

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) |
| 93 | Black printed matt clear plastic | Polybag (VOUT001/ VOUT036 styles); Ziploc bag (VOUT008/ VOUT011/ VOUT013/ VOUT014/ VOUT030/ VOUT035/ VOUT036 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. | 10 | --- | --- | --- | --- | Leachable Limit (ppm) |
|-------------------------|--------------|--------------|--------------|--------------|--------------|-----------------------|
| Test Item | Result (ppm) | Result (ppm) | Result (ppm) | Result (ppm) | Result (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 |
|------------|----------------------|--|
| 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. | 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 |
|------------|----------------------|--|
| 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 |
| 4.9 | Accessible Points | PASS |
| 4.11 | Nails and Fasteners | 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 |

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 |

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

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule. (<https://www.qima.com/conditions-of-service#decisionRule>). This test report may not be reproduced in whole or in part, without the written approval of QIMA Testing (HK) Limited.



Verify Report