

TEST REPORT

Test Report # 19B-001421 H Date of Report Issue: October 15, 2019
Date of Sample Received: October 1, 2019 Pages: Page 1 of 10

CLIENT INFORMATION:

Company: BIC Graphic
Recipient: Anita S. Campbell
Recipient Email: anita.campbell@bicgraphic.com



SAMPLE INFORMATION:

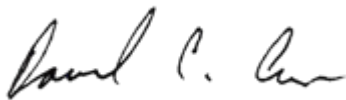
| | | | |
|--------------------------|---------------------|------------------------|------|
| Description: | Imprint Ink – White | | |
| Sample No.: | 63 | Purchase Order Number: | 3373 |
| SKU/style No.: | - | Toy Co./Agency: | - |
| Factory/Supplier/Vendor: | - | Country of Origin: | USA |
| Country of Distribution: | USA & Canada | Labeled Age Grade: | - |
| Quantity Submitted: | 2 oz | Recommended Age Grade: | - |
| Testing Period: | 10/2/19 – 10/15/19 | Tested Age Grade: | - |

OVERALL RESULT:

 **PASS**

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

QIMA (US), LLC



David Ennis
Manager, Chemical Laboratory

TEST RESULT SUMMARY:

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

| CONCLUSION | TEST(S) CONDUCTED |
|------------|--|
| PASS | CPSIA Section 101 & 16 CFR 1303, Total Lead Content in Paints & Surface Coatings |
| PASS | CPSIA Section 106 & ASTM F963-17 Section 4.3.5.1(2), Soluble Heavy Metals Content in Paints & Surface Coatings |
| PASS | Client Requirement, California Proposition 65, Total Lead & Cadmium Content in Paints & Surface Coatings |
| PASS | The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead in Paints and Surface Coatings of Children's Toys |
| PASS | Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead and Mercury in Surface Coatings |
| PASS | Canadian Toys Regulations SOR/2011-17 amended by SOR/2016-195 & SOR/2016-302, Section 23, Total Lead, Total Mercury and Leachable Metals in Surface Coatings |
| PASS | Client Requirement, Phthalate Content (6) |
| PASS | 16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (8) |
| PASS | Client Requirement, California Proposition 65, Phthalate Content (6) |

DETAILED RESULTS:

CPSIA Section 101 & 16 CFR 1303, Total Lead Content in Paints & Surface Coatings
CPSIA Section 106 & ASTM F963-17 Section 4.3.5.1(2), Soluble Heavy Metals Content in Paints & Surface Coatings

Analytical determination by ICP-OES (Method: CPSC-CH-E1003-09.1)

| | Specimen No. | | | | | | |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------------------------|
| | 8 | - | - | - | - | - | |
| | Total Result | Total Result | Total Result | Total Result | Total Result | Total Result | |
| Lead (Pb) | ND | - | - | - | - | - | CPSIA Total Limit 90 ppm |
| | Total Result | Total Result | Total Result | Total Result | Total Result | Total Result | ASTM F963 Soluble Limits |
| Antimony (Sb) | ND | - | - | - | - | - | 60 ppm |
| Arsenic (As) | ND | - | - | - | - | - | 25 ppm |
| Barium (Ba) | 9 | - | - | - | - | - | 1000 ppm |
| Cadmium (Cd) | ND | - | - | - | - | - | 75 ppm |
| Chromium (Cr) | ND | - | - | - | - | - | 60 ppm |
| Lead (Pb) | ND | - | - | - | - | - | 90 ppm |
| Mercury (Hg) | ND | - | - | - | - | - | 60 ppm |
| Selenium (Se) | ND | - | - | - | - | - | 500 ppm |
| Conclusion | PASS | - | - | - | - | - | |

ND = Not Detected (Reporting Limit = 5ppm)
 Results are reported in parts per million (ppm)

Note: The total heavy metals results do not exceed the soluble heavy metals limits; therefore, further soluble analyses were not conducted.

DETAILED RESULTS:

Client Requirement, California Proposition 65, Total Lead & Cadmium Content in Paints & Surface Coatings

Analytical determination by ICP-OES (Method: CPSC-CH-E1003-09.1)

| | Specimen No. | | | | | | |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------------------------|
| | 8 | - | - | - | - | - | |
| | Total Result | Total Result | Total Result | Total Result | Total Result | Total Result | |
| Lead (Pb) | ND | - | - | - | - | - | Client Total Limit 90 ppm |
| Cadmium (Cd) | ND | - | - | - | - | - | Client Total Limit 300 ppm |
| Conclusion | PASS | - | - | - | - | - | |

Results are reported in parts per million (ppm)

ND = Not Detected (Reporting Limit = 5ppm)

DETAILED RESULTS:

The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead in Paints and Surface Coatings of Children’s Toys

Analytical determination by ICP-OES (Method: CPSC-CH-E1003-09.1)

| | Specimen No. | | | | |
|-------------------|--------------|--------------|--------------|--------------|---------------------|
| | 8 | - | - | - | |
| | Total Result | Total Result | Total Result | Total Result | Total Limits |
| Lead (Pb) | ND | - | - | - | 40 ppm |
| Conclusion | PASS | - | - | - | |

Results are reported in parts per million (ppm)

ND = Not Detected (Reporting Limit = 5ppm)

DETAILED RESULTS:

Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead and Mercury in Surface Coatings

Analytical determination by ICP-OES (Method: CPSC-CH-E1003-09.1)

| | Specimen No. | | | | Total Limits |
|-------------------|--------------|--------------|--------------|--------------|--------------|
| | 8 | - | - | - | |
| | Total Result | Total Result | Total Result | Total Result | |
| Lead (Pb) | ND | - | - | - | 90 ppm |
| Mercury (Hg) | ND | - | - | - | 10 ppm |
| Conclusion | PASS | - | - | - | |

Results are reported in parts per million (ppm)

ND = Not Detected (Reporting Limit = 5ppm)

DETAILED RESULTS:

Canadian Toys Regulations SOR/2011-17 amended by SOR/2016-195 & SOR/2016-302, Section 23, Total Lead, Total Mercury and Leachable Metals in Surface Coatings

Analytical determination by ICP-OES (Method: CPSC-CH-E1003-09.1)

| | Specimen No. | | | | | | Total Limits |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------|
| | 8 | - | - | - | - | - | |
| | Total Result | Total Result | Total Result | Total Result | Total Result | Total Result | |
| Lead (Pb) | ND | - | - | - | - | - | 90 ppm |
| Mercury (Hg) | ND | - | - | - | - | - | 10 ppm |
| | Total Result | Total Result | Total Result | Total Result | Total Result | Total Result | Leachable Limits |
| Antimony (Sb) | ND | - | - | - | - | - | 1000 ppm |
| Arsenic (As) | ND | - | - | - | - | - | 1000 ppm |
| Barium (Ba) | 9 | - | - | - | - | - | 1000 ppm |
| Cadmium (Cd) | ND | - | - | - | - | - | 1000 ppm |
| Selenium (Se) | ND | - | - | - | - | - | 1000 ppm |
| Conclusion | PASS | - | - | - | - | - | |

Results are reported in parts per million (ppm)

ND = Not Detected (Reporting Limit = 5ppm)

Note: The total metal results do not exceed the leachable limits, therefore leachable analyses were not conducted.

DETAILED RESULTS:

Client Requirement, Phthalate Content (6)

16 CFR 1307 Prohibition of Children’s Toys and Child Care Articles Containing Specified Phthalates (8)

Client Requirement, California Proposition 65, Phthalate Content (6)

Analytical determination by GC/MS (Method: CPSC-CH-C1001-09.4)

| Phthalate | Specimen No. | | | | Client Limits (%) | 16 CFR 1307 Limits (%) | Client Limits, Cal Prop (%) |
|------------------------------------|--------------|---|---|---|-------------------|------------------------|-----------------------------|
| | 8 | - | - | - | | | |
| dibutyl phthalate (DBP) | ND | - | - | - | 0.1 | 0.1 | 0.1 |
| benzyl butyl phthalate (BBP) | ND | - | - | - | 0.1 | 0.1 | 0.1 |
| di-(2-ethylhexyl) phthalate (DEHP) | ND | - | - | - | 0.1 | 0.1 | 0.1 |
| di-n-octyl phthalate (DnOP) | ND | - | - | - | 0.1 | - | - |
| diisononyl phthalate (DINP) | ND | - | - | - | 0.1 | 0.1 | 0.1 |
| diisodecyl phthalate (DIDP) | ND | - | - | - | 0.1 | - | 0.1 |
| di-n-hexyl phthalate (DnHP/DHEXP) | ND | - | - | - | - | 0.1 | 0.1 |
| diisobutyl phthalate (DiBP) | ND | - | - | - | - | 0.1 | - |
| di-n-pentyl phthalate (DnPP/DPENP) | ND | - | - | - | - | 0.1 | - |
| dicyclohexyl phthalate (DCHP) | ND | - | - | - | - | 0.1 | - |
| Conclusion | PASS | - | - | - | | | |

Results reported as percent by weight

ND = Not Detected (Reporting Limit = 0.01%, DINP & DIDP reporting limit = 0.02%)

SPECIMEN DESCRIPTION:

| Specimen No. | Specimen Description (Color) | Location |
|--------------|------------------------------|----------|
| 8 | 63, White | Wet Ink |

SAMPLE PHOTO:



-End Report-