

TEST REPORT

Test Report # 19B-001421 B 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
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SAMPLE INFORMATION:

Description:	Imprint Ink – M-Reflex Blue		
Sample No.:	41	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.						
	2	-	-	-	-	-	
	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)	ND	-	-	-	-	-	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.						
	2	-	-	-	-	-	
	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.				
	2	-	-	-	
	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.				
	2	-	-	-	
	Total Result	Total Result	Total Result	Total Result	Total Limits
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.						
	2	-	-	-	-	-	
	Total Result	Total Result	Total Result	Total Result	Total Result	Total Result	Total Limits
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)	ND	-	-	-	-	-	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 (%)
	2	-	-	-			
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
2	41, M-Reflex Blue	Wet Ink

SAMPLE PHOTO:



-End Report-