

Test report

24B-000047



Verify Report

Overall result

PASS

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

Client information

Client: Inkcups
Address: 310 Andover St.
Danvers, MA 01923
United States



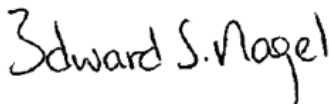
Sample information

Description:	UV Series LV Inks	Purchase order #:	-
SKU/style #:	-	Labeled age grade:	-
Assortment:	-	Requested age grade:	-
Manufacturer / factory:	-	Recommended age grade:	-
Supplier:	-	Tested age grade:	-
Country of origin:	Korea		
Country of distribution:	-		
Quantity submitted:	6		

General information

Sample receipt date: 11-Jan-2024 Report date: 25-Jan-2024
Testing period: 12-Jan-2024 to 25-Jan-2024

QIMA (US), LLC



Edward Nagel
Manager, Laboratory Operations

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 the certificate and scope of accreditation (Certificate # AT-1407.) 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 tests internationally.



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Result summary

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

Test(s) conducted	Conclusion
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
ASTM F2923-20 Clause 5 & 8, Total Lead and Soluble Elements in Paint and Surface Coatings	PASS
The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead Content in Surface Coatings of Children's Jewelry and Childcare Articles	PASS
Connecticut Public Act 10-113 (Substituted House Bill 5314), Total Cadmium Content in Children's Jewelry	PASS
Minnesota Chapter 347-S.F. No. 2510, Cadmium in Children's Jewelry	PASS
Maryland Chapter 578 (House Bill 145), Total Cadmium in Children's Jewelry	PASS
Washington Children's Safe Products Act RCW 70.240.020, Cadmium Content	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
Mexican Environmental Health NOM-252-SSA1-2011, Soluble Elements from Toys and School Supplies	PASS
16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (8)	PASS
ASTM F2923-20 Clause 11, Phthalates in Plasticized Components of Children's Jewelry	PASS
Client Requirement, California Proposition 65, Phthalate Content (6)	PASS
Revised Code of Washington Section 70.240.020, Phthalates in Children's Product	PASS



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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

ASTM F2923-20 Clause 5 & 8, Total Lead and Soluble Elements in Paint and Surface Coatings

Connecticut Public Act 10-113 (Substituted House Bill 5314), Total Cadmium Content in Children's Jewelry

The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead Content in Surface Coatings of Children's Jewelry and Childcare Articles

Minnesota Chapter 347-S.F. No. 2510, Cadmium in Children's Jewelry

Maryland Chapter 578 (House Bill 145), Total Cadmium in Children's Jewelry

Washington Children's Safe Products Act RCW 70.240.020, Cadmium Content

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

	Specimen No.						
	1+2+3*	4+5+6*	-	-	-		
	Total Result	Total Result	Total Result	Total Result	Total Result		
Lead (Pb)	LT 5	LT 5	-	-	-	CPSIA Total Limit	
						90 ppm	
Lead (Pb)	LT 5	LT 5	-	-	-	ASTM F2923 Limit	
						90 ppm	
Lead (Pb)	LT 5	LT 5	-	-	-	Illinois Total Limit	
						40 ppm	
Cadmium (Cd)	LT 5	LT 5	-	-	-	Connecticut Total Limit	
						75 ppm	
Cadmium (Cd)	LT 5	LT 5	-	-	-	Minnesota Total Limit	
						75 ppm	
Cadmium (Cd)	LT 5	LT 5	-	-	-	Maryland Total Limit	
						75 ppm	
Cadmium (Cd)	LT 5	LT 5	-	-	-	Washington Total Limit	
						40 ppm	
	Total Result	Total Result	Total Result	Total Result	Total Result	ASTM F963 Soluble Limits	ASTM F2923 Soluble Limits
Antimony (Sb)	-	LT 5	-	-	-	60 ppm	60 ppm
Arsenic (As)	-	LT 5	-	-	-	25 ppm	25 ppm
Barium (Ba)	-	LT 5	-	-	-	1000 ppm	1000 ppm
Cadmium (Cd)	-	LT 5	-	-	-	75 ppm	75 ppm
Chromium (Cr)	-	LT 5	-	-	-	60 ppm	60 ppm
Lead (Pb)	-	LT 5	-	-	-	90 ppm	-
Mercury (Hg)	-	LT 5	-	-	-	60 ppm	60 ppm
Selenium (Se)	-	LT 20	-	-	-	500 ppm	500 ppm
Conclusion	PASS	PASS	-	-	-		

LT = Less Than

Results are reported in parts per million (ppm)

Notes: The total heavy metals results do not exceed the soluble heavy metals limits for specimen 4+5+6; therefore, further soluble analyses were not conducted.

The total heavy metals results for specimen 1+2+3 exceeded the soluble heavy metals limits; therefore a separate soluble analysis was conducted. Results presented on page 7 as specimen 1, 2 & 3.

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





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
	1+2+3*	4+5+6*	-	-	
	Total Result	Total Result	Total Result	Total Result	
Lead (Pb)	LT 5	LT 5	-	-	90 ppm
Mercury (Hg)	LT 5	LT 5	-	-	10 ppm
Conclusion	PASS	PASS	-	-	

LT = Less Than

Results are reported in parts per million (ppm)

***Note:** Compositied results are based on specimen of least mass resulting in highest potential concentration.





Detailed results

Canadian Toys Regulations SOR/2011-17 as amended, 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
	1+2+3*	4+5+6*	-	-	-	-	
	Total Result	Total Result	Total Result	Total Result	Total Result	Total Result	
Lead (Pb)	LT 5	LT 5	-	-	-	-	90 ppm
Mercury (Hg)	LT 5	LT 5	-	-	-	-	10 ppm
	Total Result	Total Result	Total Result	Total Result	Total Result	Total Result	Leachable Limits
Antimony (Sb)	LT 5	LT 5	-	-	-	-	1000 ppm
Arsenic (As)	LT 5	LT 5	-	-	-	-	1000 ppm
Barium (Ba)	LT 5	LT 5	-	-	-	-	1000 ppm
Cadmium (Cd)	LT 5	LT 5	-	-	-	-	1000 ppm
Selenium (Se)	LT 19	LT 20	-	-	-	-	1000 ppm
Conclusion	PASS	PASS	-	-	-	-	

LT = Less Than

Results are reported in parts per million (ppm)

Notes: The total metals results do not exceed the leachable limits; therefore, leachable analyses were not conducted.

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





Detailed results

Mexican Environmental Health NOM-252-SSA1-2011, Soluble Elements from Toys and School Supplies

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

	Specimen No.						Soluble Limits
	4+5+6*	-	-	-	-	-	
	Total Result	Total Result	Total Result	Total Result	Total Result	Total Result	
Antimony (Sb)	LT 5	-	-	-	-	-	60 ppm
Arsenic (As)	LT 5	-	-	-	-	-	25 ppm
Barium (Ba)	LT 5	-	-	-	-	-	1000 ppm
Cadmium (Cd)	LT 5	-	-	-	-	-	75 ppm
Chromium (Cr)	LT 5	-	-	-	-	-	60 ppm
Lead (Pb)	LT 5	-	-	-	-	-	90 ppm
Mercury (Hg)	LT 5	-	-	-	-	-	60 ppm
Selenium (Se)	LT 20	-	-	-	-	-	500 ppm
Conclusion	PASS	-	-	-	-	-	

LT = Less Than

Results are reported in parts per million (ppm)

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

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





Detailed results

CPSIA Section 106 & ASTM F963-17 Section 4.3.5.1(2), Soluble Heavy Metals Content in Paints & Surface Coatings Mexican Environmental Health NOM-252-SSA1-2011, Soluble Elements from Toys and School Supplies

Analytical determination by ICP-OES (Method: ASTM F963-17 Section 8.3)

	Specimen No.						Soluble Limits
	1	2	3	-	-	-	
	Soluble Result	Soluble Result	Soluble Result	Soluble Result	Soluble Result	Soluble Result	
Antimony (Sb)	LT 5	LT 5	LT 5	-	-	-	60 ppm
Arsenic (As)	LT 5	LT 5	LT 5	-	-	-	25 ppm
Barium (Ba)	LT 5	LT 5	LT 5	-	-	-	1000 ppm
Cadmium (Cd)	LT 5	LT 5	LT 5	-	-	-	75 ppm
Chromium (Cr)	LT 5	LT 5	9	-	-	-	60 ppm
Lead (Pb)	LT 5	LT 5	LT 5	-	-	-	90 ppm
Mercury (Hg)	LT 5	LT 5	LT 5	-	-	-	60 ppm
Selenium (Se)	LT 5	LT 5	LT 5	-	-	-	500 ppm
Conclusion	PASS	PASS	PASS	-	-	-	

LT = Less Than

Results reported in parts per million (ppm)



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Detailed results

**16 CFR 1307 Prohibition of Children’s Toys and Child Care Articles Containing Specified Phthalates (8)
ASTM F2923-20 Clause 11, Phthalates in Plasticized Components of Children’s Jewelry
Client Requirement, California Proposition 65, Phthalate Content (6)**

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

Phthalate	Specimen No.				16 CFR 1307 & ASTM F2923 Limits (%)	Client Limits, Cal Prop (%)
	1+2+3*	4+5+6*	-	-		
dibutyl phthalate (DBP)	LT 0.01	LT 0.01	-	-	0.1	0.1
benzyl butyl phthalate (BBP)	LT 0.01	LT 0.01	-	-	0.1	0.1
di-(2-ethylhexyl) phthalate (DEHP)	LT 0.01	LT 0.01	-	-	0.1	0.1
diisononyl phthalate (DINP)	LT 0.02	LT 0.02	-	-	0.1	0.1
diisodecyl phthalate (DIDP)	LT 0.02	LT 0.02	-	-	-	0.1
di-n-hexyl phthalate (DnHP/DHEXP)	LT 0.01	LT 0.01	-	-	0.1	0.1
diisobutyl phthalate (DiBP)	LT 0.01	LT 0.01	-	-	0.1	-
di-n-pentyl phthalate (DnPP/DPENP)	LT 0.01	LT 0.01	-	-	0.1	-
dicyclohexyl phthalate (DCHP)	LT 0.01	LT 0.01	-	-	0.1	-
Conclusion	PASS	PASS	-	-		

LT = Less Than

Results reported as percent by weight

***Note:** Composited results are based on specimen of least mass resulting in highest potential concentration.



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Detailed results

Revised Code of Washington Section 70.240.020, Phthalates in Children's Product

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

Phthalate	Specimen No.					Limits (%)
	1+2+3*	4+5+6*	-	-	-	
Dibutyl Phthalate (DBP)	LT 0.01	LT 0.01	-	-	-	0.1
Benzyl Butyl Phthalate (BBP)	LT 0.01	LT 0.01	-	-	-	0.1
Di-(2-ethylhexyl) Phthalate (DEHP)	LT 0.01	LT 0.01	-	-	-	0.1
Di-n-octyl Phthalate (DnOP)	LT 0.01	LT 0.01	-	-	-	0.1
Diisononyl Phthalate (DINP)	LT 0.02	LT 0.02	-	-	-	0.1
Diisodecyl Phthalate (DIDP)	LT 0.02	LT 0.02	-	-	-	0.1
Sum of Above (6)	LT 0.02	LT 0.02	-	-	-	0.1
Conclusion	PASS	PASS	-	-	-	

LT = Less Than

Results reported as percent by weight

***Note:** Compositing results are based on specimen of least mass resulting in highest potential concentration.





Specimen description

Specimen #	Specimen description	Location
1	Wet Ink	Black Ink
2	Wet Ink	White Ink
3	Wet Ink	Yellow Ink
4	Wet Ink	Magenta Ink
5	Wet Ink	Cyan Ink
6	Wet Ink	Clear Varnish





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 (US) LLC.



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