

POLYKOTE INK & PAINT (SHENZHEN) LTD.
 NO. 118, HUANG PU ROAD, SHAJING SUBDISTRICT, BAOAN, SHENZHEN, CHINA (ZIP CODE: 518125)

The following samples were submitted and identified by/on behalf of the client as:
 PLEASE SEE ATTACHMENT

Case No. : CA325202613269
 Sample Receiving Date : JAN 13, 2025
 Testing Period : JAN 13, 2025 – JAN 22, 2025

Selected test(s) as requested by the client, please refer to test result page(s) for details:

Test Requested	Conclusion
1. ASTM F963-23 - Standard Consumer Safety Specification on Toy Safety – Heavy Elements content	--
1.1 Heavy Elements content in paint or similar surface coating materials in submitted sample in accordance with ASTM F963-23 - Standard Consumer Safety Specification on Toy Safety, Clause 4.3.5.1	PASS
2. ASTM F963-23 – Standard Consumer Safety Specification for Toy Safety, Clause 4.3.8 – Phthalates content	PASS
3. CPSIA section 101 - Total Lead content	--
3.1 CPSIA section 101(f) (1) – Lead in paint/similar surface coating material	PASS

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
 SGS Hong Kong Ltd.




To Man Wah, Po
 Technical Manager

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.





Test Report

No.T32520260338TC

Date: Jan 23, 2025

Page 2 of 6

Attachment:

STYROLAC PAINT & INK NO.:	PAINT & INK COLOR:
6611 / 7061 / 6911 / 7001 / PS / T / 26- / S- / F / 8101-8 / 621 / 911 / M	White/Black/Fluorescent Color
6 / 7 / T / 26- / S- / 020 / 111B / 114 / 115 / 195 / 333 / B / C / 872 / M	Orange/Red/Magenta/Brown
6 / 7 / T / 26- / S- / 210 / 213 / 222 / 244A / LUMINOUS / M	Yellow
6 / 7 / T / 26- / S- / 791 / 391 / 385 / 371A / 083 / M	Green/Blue/Violet
T / 26- / S- / H / 1 / 00 / 1 / 2 / 6 / 1010 / 1032 / 1033 / 1037 / 000 / A / B / J / 1801 / 1811 / 1813 / 1818 / 1853	Silver/Pearl w/ Lacquer
2326 PAINT SERIES	Air Dry Enamel Paint

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Test Report

No.T32520260338TC

Date: Jan 23, 2025

Page 3 of 6

Test Results:

1.1 ASTM F963-23, Clause 4.3.5.1 – Heavy Elements in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 / ASTM F963-23 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)	Lead (Pb)
MDL (ppm)	10
Total Limit (ppm)	90
Specimen Description	Result(s) (ppm)
1. White, black, fluorescent ink (6611 / 7061 / 6911 / 7001 / PS / T / 26- / S- / F / 8101-8 / 621 / 911 / M)	ND
2. Orange, red, magenta, brown ink (6 / 7 / T / 26- / S- / 020 / 111B / 114 / 115 / 195 / 333 / B / C / 872 / M)	ND
3. Yellow ink (6 / 7 / T / 26- / S- / 210 / 213 / 222 / 244A / LUMINOUS / M)	ND
4. Green, blue, violet ink (6 / 7 / T / 26- / S- / 791 / 391 / 385 / 371A / 083 / M)	ND
5. Sliver, pearl w/ lacquer ink (T / 26- / S- / H / 1 / 00 / 1 / 2 / 6 / 1010 / 1032 / 1033 / 1037 / 000 / A / B / J / 1801 / 1811 / 1813 / 1818 / 1853)	ND
6. Air dry enamel paint ink (2326 PAINT SERIES)	ND

Soluble Heavy Metal Content

Test Item(s)	Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)	5	5	2.5	10	5	5	5	10
Migration Limit (ppm)	90	60	25	1000	75	60	60	500
Specimen No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)						
1	/	ND	ND	ND	ND	ND	ND	ND
2	/	ND	ND	ND	ND	ND	ND	ND
3	/	ND	ND	ND	ND	ND	ND	ND
4	/	ND	ND	ND	ND	ND	ND	ND
5	/	ND	ND	ND	ND	ND	ND	ND
6	/	ND	ND	ND	ND	ND	ND	ND

Specimen Description:

1. White, black, fluorescent ink (6611 / 7061 / 6911 / 7001 / PS / T / 26- / S- / F / 8101-8 / 621 / 911 / M)
2. Orange, red, magenta, brown ink (6 / 7 / T / 26- / S- / 020 / 111B / 114 / 115 / 195 / 333 / B / C / 872 / M)
3. Yellow ink (6 / 7 / T / 26- / S- / 210 / 213 / 222 / 244A / LUMINOUS / M)
4. Green, blue, violet ink (6 / 7 / T / 26- / S- / 791 / 391 / 385 / 371A / 083 / M)
5. Sliver, pearl w/ lacquer ink (T / 26- / S- / H / 1 / 00 / 1 / 2 / 6 / 1010 / 1032 / 1033 / 1037 / 000 / A / B / J / 1801 / 1811 / 1813 / 1818 / 1853)
6. Air dry enamel paint ink (2326 PAINT SERIES)

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

- Note:
- ppm = parts per million
 - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)

2. Standard Consumer Safety Specification on Toy Safety, ASTM F963-23, Clause 4.3.8 – Phthalate Content

Method: With reference to CPSC-CH-C1001-09.4

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS) / High Performance Liquid Chromatography with Mass Spectrometer (HPLC-MS)

Test Item(s) Specimen No.	CAS No.	Result (s) (%)			MDL (%)	Permissible Limit (%)
		1	2	3		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.010	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	0.003	0.1
Di-n-pentyl phthalate (DPP/DPEP/DPENP)	131-18-0	ND	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	0.003	0.1

Test Item(s) Specimen No.	CAS No.	Result (s) (%)			MDL (%)	Permissible Limit (%)
		4	5	6		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.010	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	0.003	0.1
Di-n-pentyl phthalate (DPP/DPEP/DPENP)	131-18-0	ND	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	0.003	0.1

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Test Report

No.T32520260338TC

Date: Jan 23, 2025

Page 5 of 6

Specimen Description:

1. White, black, fluorescent ink (6611 / 7061 / 6911 / 7001 / PS / T / 26- / S- / F / 8101-8 / 621 / 911 / M)
2. Orange, red, magenta, brown ink (6 / 7 / T / 26- / S- / 020 / 111B / 114 / 115 / 195 / 333 / B / C / 872 / M)
3. Yellow ink (6 / 7 / T / 26- / S- / 210 / 213 / 222 / 244A / LUMINOUS / M)
4. Green, blue, violet ink (6 / 7 / T / 26- / S- / 791 / 391 / 385 / 371A / 083 / M)
5. Sliver, pearl w/ lacquer ink (T / 26- / S- / H / 1 / 00 / 1 / 2 / 6 / 1010 / 1032 / 1033 / 1037 / 000 / A / B / J / 1801 / 1811 / 1813 / 1818 / 1853)
6. Air dry enamel paint ink (2326 PAINT SERIES)

- Note:
- % = percentage by weight
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)
 - 1% = 10000 mg/kg = 10000 ppm

3.1 CPSIA - Lead in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

Test Item(s)	Lead (Pb)
Permissible Limit (ppm)	90
Specimen Description	Result(s) (ppm)
1. White, black, fluorescent ink (6611 / 7061 / 6911 / 7001 / PS / T / 26- / S- / F / 8101-8 / 621 / 911 / M)	ND
2. Orange, red, magenta, brown ink (6 / 7 / T / 26- / S- / 020 / 111B / 114 / 115 / 195 / 333 / B / C / 872 / M)	ND
3. Yellow ink (6 / 7 / T / 26- / S- / 210 / 213 / 222 / 244A / LUMINOUS / M)	ND
4. Green, blue, violet ink (6 / 7 / T / 26- / S- / 791 / 391 / 385 / 371A / 083 / M)	ND
5. Sliver, pearl w/ lacquer ink (T / 26- / S- / H / 1 / 00 / 1 / 2 / 6 / 1010 / 1032 / 1033 / 1037 / 000 / A / B / J / 1801 / 1811 / 1813 / 1818 / 1853)	ND
6. Air dry enamel paint ink (2326 PAINT SERIES)	ND

- Note:
- ppm = parts per million
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit = 10 ppm
 - 1% = 10000 mg/kg = 10000 ppm

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Remark:

When statement of conformity is made, unless inherent in the requested specification, the decision rule would be based on the non-binary statement with guard band (is equal to the expanded measurement uncertainty with a 95% coverage probability, $w = U_{95}$) in ILAC-G8:09/2019 Clause 4.2.3.

“Pass - the measured value is within (or below / above) the acceptance limit, where the acceptance limit is below / above to the guard band.” or “Pass - The measured values were observed in tolerance at the points tested. The specific false accept risk is up to 2.5%.”.

“Fail - the measured value is out of (or below / above) the tolerance limit added / subtracted to the guard band.” or “Fail - One or more measured values were observed out of tolerance at the points tested”. The specific false reject risk is up to 2.5%.

“Inconclusive – It is not possible to state the conformity. Either one or more measured values were observed in the portion of the expanded measurement uncertainty intervals at the points tested where the specific risk is up to 50%.”

Sample Photo:

Pic.1



SGS authenticate the photo on original report only

*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.