



**Test Report**

No.T31920250979TC

Date: JUL 03, 2019

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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

Sample Receiving Date : JUN 20, 2019  
Testing Period : JUN 20, 2019 TO JUL 03, 2019

Test Requested	Conclusion
Product Safety Commission (AfPS), GS specification, Specification in accordance with § 21 Section 1 No. 3 ProdSG (Dated August 4, 2014) - Polycyclic Aromatic Hydrocarbon (PAHs) Content	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

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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.

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Member of the SGS Group (SGS SA)





## Test Report

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### ATTACHMENT:

WATER-BASED FLEXOGRAPHIC & ROTOGRAVURE INK NO.:	INK COLOR:
WF 074 / WR 91	BLACK

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**Test Results:**
**Product Safety Commission (AfPS), GS specification, Specification in accordance with § 21 Section 1 No. 3 ProdSG (Dated August 4, 2014) - Polycyclic Aromatic Hydrocarbon (PAHs) Content**

Method: With reference to AfPS GS 2014:01 PAK method.

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Category 1: Materials intended to be placed in the mouth or toys with intended prolonged skin contact (>30 seconds)

Test Item(s)	CAS No.	Result(s) (mg/kg)	MDL (mg/kg)	Limit* (mg/kg)
<b>Specimen No.</b>	--	<b>1</b>		
1. Naphthalene	91-20-3	0.5	0.1	1
2. Acenaphthylene	208-96-8	ND	0.1	--
3. Acenaphthene	83-32-9	ND	0.1	--
4. Fluorene	86-73-7	ND	0.1	--
5. Phenanthrene	85-01-8	ND	0.1	--
6. Anthracene	120-12-7	ND	0.1	--
7. Fluoranthene	206-44-0	ND	0.1	--
8. Pyrene	129-00-0	0.4	0.1	--
9. Benz[a]anthracene	56-55-3	ND	0.1	0.2
10. Chrysene	218-01-9	ND	0.1	0.2
11. Benzo[b]fluoranthene	205-99-2	ND	0.1	0.2
12. Benzo[k]fluoranthene	207-08-9	ND	0.1	0.2
13. Benzo[j]fluoranthene	205-82-3	ND	0.1	0.2
14. Benzo[a]pyrene	50-32-8	ND	0.1	0.2
15. Benzo[e]pyrene	192-97-2	ND	0.1	0.2
16. Indeno[1,2,3-cd]pyrene	193-39-5	ND	0.1	0.2
17. Dibenzo[a,h]anthracene	53-70-3	ND	0.1	0.2
18. Benzo[g,h,i]perylene	191-24-2	ND	0.1	0.2
Sum of 7 PAHs <sup>^</sup>	--	0.4	--	1
Sum of 18 PAHs	--	0.9	--	1

Specimen Description:

1. Black ink (WF 074 / WR 91)

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- Note:
- ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit
  - mg/kg = milligram per kilogram
  - + The limit is specified by Committee on Product Safety (Ausschuss für Produktsicherheit, AfPs) Examination and assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in the recognition of the GS Mark effective after 30 June 2015.
  - ^7 PAHs including Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene & Pyrene
  - Results shown as ND are ignored in the sum calculation
  - Result(s) of specimen No. 1 is(are) calculated based on the status as received.
  - The material category was declared by the client and not assessed by SGS.

**Sample Photo:**



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*

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