



**Test Report**

No.T32520260340TC

Date: Jan 27, 2025

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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

Case No. : CA325202613279  
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
Product Safety Commission (AfPS), GS specification, Specification in accordance with § 21 Section 1 No. 3 ProdSG (Dated May 15, 2019) - 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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### Attachment:

STYROLAC PAINT & INK NO.:	Color:
6911 / 7001 / 7091 / T / 26- / S- / 911 / M	Black

### Test Results:

#### **Product Safety Commission (AfPS), GS specification, Specification in accordance with § 21 Section 1 No. 3 ProdSG (Dated May 15, 2019)- Polycyclic Aromatic Hydrocarbon (PAHs) Content**

Method: With reference to AfPS GS 2019:01 PAK method.

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

Category 2: Materials not covered by Category 1, coming into long-term contact (More than 30s) or short-term repetitive contact with skin during the intended or foreseeable use - For products used by children under 14

Test Item(s)	CAS No.	Result(s) (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
<b>Specimen No.</b>	--	1		
1. Naphthalene	91-20-3	ND	0.1	2
2. Phenanthrene	85-01-8	1.7	0.1	--
3. Anthracene	120-12-7	ND	0.1	--
4. Fluoranthene	206-44-0	1.1	0.1	--
5. Pyrene	129-00-0	0.7	0.1	--
6. Benzo[a]anthracene	56-55-3	ND	0.1	0.2
7. Chrysene	218-01-9	ND	0.1	0.2
8. Benzo[b]fluoranthene	205-99-2	ND	0.1	0.2
9. Benzo[k]fluoranthene	207-08-9	ND	0.1	0.2
10. Benzo[j]fluoranthene	205-82-3	ND	0.1	0.2
11. Benzo[a]pyrene	50-32-8	ND	0.1	0.2
12. Benzo[e]pyrene	192-97-2	ND	0.1	0.2
13. Indeno[1,2,3-cd]pyrene	193-39-5	ND	0.1	0.2
14. Dibenzo[a,h]anthracene	53-70-3	ND	0.1	0.2
15. Benzo[g,h,i]perylene	191-24-2	ND	0.1	0.2
Sum of 4 PAHs <sup>^</sup>	--	3.5	--	5
Sum of 15 PAHs	--	3.5	--	5

#### Specimen Description:

1. Black ink (6911 / 7001 / 7091 / T / 26- / S- / 911 / M)

Note: - ND = Not Detected (lower than MDL)  
- MDL = Method Detection Limit  
- mg/kg = milligram per kilogram

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- <sup>^</sup> 4 PAHs including Phenanthrene, Anthracene, Fluoranthene & Pyrene

Remark: Results shown as ND are ignored in the sum calculation

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**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 \*\*\*

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