



Test Report

No.T32620270048TC

Date: Jan 12, 2026

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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:
SEE THE ATTACHMENT

Case No. : CA326202702689
Sample Receiving Date : JAN 05, 2026
Testing Period : JAN 05, 2026 – JAN 12, 2026

Test Requested	Conclusion
Halogen Content (Chlorine, Fluorine, Iodine and Bromine)	--

***** 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.



Attachment:

FLEXOGRAPHIC & ROTOGRAVURE INK NO.:	INK COLOR :
HR / AA / 490 / 16 / M	RED

Test Results:

Halogen Content (Chlorine, Fluorine, Iodine and Bromine)

Method : With reference to BS EN 14582:2016. Analysis was performed by IC method.

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Reference Limit (mg/kg)
	1		
Chlorine (Cl)	110	20	900
Bromine (Br)	ND	20	900
Fluorine (F)	ND	20	--
Iodine (I)	ND	20	--
Sum of halogens content	110	--	1500

Sample Description :

1. Red ink (HR / AA / 490 / 16 / M)

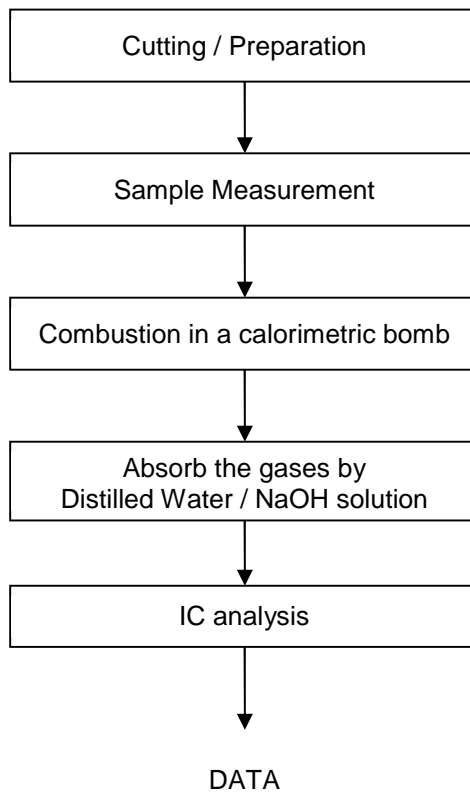
- Note :
1. mg/kg = milligram per kilogram
 2. ND = Not Detected
 3. Relative expanded method uncertainty: ±20%

Remark : The reference limit is quoted from IEC 61249-21 clause 3.1.

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Flowchart:



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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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