

# Test Report

No.: SHAEC25002819415

Date: Feb 25, 2025

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Client Name: HANG ZHOU TOKA INK CO,LTD

Client Address: NO.2,THE 5TH AVENUE(SOUTH),BAIYANG JIE DAO,HANGZHOU  
ECONOMIC&TECHNOLOGICAL DEVELOPMENT AREA

Sample Name: OFFSET WEB-FED MIXTURE INKS

Client Ref. Information: HS、HS-G、JL、NWP、BW HS、EF (WEB)。

The above sample(s) and information were provided by the client.

SGS Job No.: SHP25-003603

Sample Receiving Date: Feb 17, 2025

Testing Period: Feb 17, 2025 ~ Feb 24, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

## Summary:

Formaldehyde	See Results
N, N-dimethylformamide (DMFa)	See Results
Phthalates	See Results
COMMISSION IMPLEMENTING DECISION (EU) 2023/740 on harmonised standards for toys drafted in support of Directive 2009/48/EC - EN71-3: 2019+A1:2021 - Migration of certain elements (Category III:for scrapped-off toy material)	See Results
Alkylphenol Ethoxylates (APEO) and Alkylphenols(AP)	See Results

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Jenny Lan  
Approved Signatory

Scan to see the report



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Bisphenol A	See Results
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## Test Result(s):

### Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A2	SHA25-0028194-0001.C002	Black ink

### Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

## Formaldehyde

**Test Method:** With reference to ISO 17226-1:2021, analysis was performed by HPLC-DAD.

Test Item(s)	Unit(s)	MDL	A2
Formaldehyde	mg/kg	5.0	ND

## N, N-dimethylformamide (DMFa)

**Test Method:** With reference to US EPA 8270D:2014, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A2
N,N-dimethylformamide (DMFa)	68-12-2	mg/kg	5.0	47.0

## Phthalates

**Test Method:** With reference to IEC 62321-8:2017, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A2
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	mg/kg	50	ND
Di-n-Octyl Phthalate(DNOP)	117-84-0	mg/kg	50	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 /68515-49-1	mg/kg	50	ND
Bis(2-methoxyethyl)phthalate(DMEP)	117-82-8	mg/kg	50	ND
Di-n-Hexyl Phthalate(DnHP)	84-75-3	mg/kg	50	ND
Dipentyl Phthalate (DPENP/DnPP)	131-18-0	mg/kg	50	ND
Diphenyl Phthalate(DPhP)	84-62-8	mg/kg	50	ND
Dimethyl Phthalate(DMP)	131-11-3	mg/kg	50	ND
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	ND
Diisopentyl Phthalate(DIPP)	605-50-5	mg/kg	50	ND
1,2-Benzenedicarboxylic Acid,di-C6-8-branched alkyl esters,C7-rich(DIHP)	71888-89-6	mg/kg	50	ND



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Test Item(s)	CAS No.	Unit(s)	MDL	A2
1,2-Benzenedicarboxylic Acid,Di-C7-11- Branched and Linear Alkyl Esters(DHNUF)	68515-42-4	mg/kg	50	ND

**COMMISSION IMPLEMENTING DECISION (EU) 2023/740 on harmonised standards for toys drafted in support of Directive 2009/48/EC - EN71-3: 2019+A1:2021 - Migration of certain elements (Category III:for scrapped-off toy material)**

**Test Method:** With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-OES, IC-UV or LC-ICP-MS.

Test Item(s)	Limit	Unit(s)	MDL	A2 <sup>o</sup>
Soluble Lead(Pb)	23	mg/kg	5	ND
Soluble Antimony(Sb)	560	mg/kg	10	ND
Soluble Arsenic(As)	47	mg/kg	10	ND
Soluble Barium(Ba)	18750	mg/kg	50	ND
Soluble Cadmium(Cd)	17	mg/kg	5	ND
Soluble Chromium(III)(CrIII)	460	mg/kg	5	ND
Soluble Chromium(VI)(Cr VI)	0.053	mg/kg	0.025	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND
Soluble Selenium(Se)	460	mg/kg	10	ND
Soluble Boron(B)	15000	mg/kg	50	ND
Soluble Cobalt(Co)	130	mg/kg	10	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND
Soluble Strontium(Sr)	56000	mg/kg	50	ND
Soluble Zinc(Zn)	46000	mg/kg	50	ND
Soluble Copper(Cu)	7700	mg/kg	50	ND
Soluble Aluminum(Al)	28130	mg/kg	50	ND
Soluble Nickel(Ni)	930	mg/kg	10	ND
Soluble Tin(Sn)	180000	mg/kg	3	ND
Soluble Organic Tin*	12	mg/kg	-	ND

**Notes:**

(1) According to the Commission Implementing Decision (EU) 2023/740 of April 5, 2023, published in the OJEU. The EN 71-3:2019+A1:2021 is adopted as the harmonized standard for toys drafted in support of Directive 2009/48/EC.

(2) According to Chapter of 10.1.2 of EN 71-3:2019+A1:2021, Chromium (III) is calculated by the following formula:

Soluble Chromium (III) = Soluble Total Chromium - Soluble Chromium (VI)

(3) \*Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+A1:2021.

(4) ☞De-waxing was applied (excluding analysis of organic tin) on test specimen.

**Alkylphenol Ethoxylates (APEO) and Alkylphenols(AP)**

**Test Method:** With reference to SGS in house method, analysis was performed by LC-MS.



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Test Item(s)	Unit(s)	MDL	A2
Nonylphenol Ethoxylates (NPEOs)	mg/kg	50	ND
Octylphenol Ethoxylates (OPEOs)	mg/kg	50	ND
Nonylphenol (NP)	mg/kg	50	ND
Octylphenol (OP)	mg/kg	50	ND

## Bisphenol A

**Test Method:** With reference to US EPA 3550C:2007, analysis was performed by LC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A2
Bisphenol A(BPA)	80-05-7	mg/kg	1.0	ND

**Remark:**

The result is reported based on the sample after drying for 18 hours in oven.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ( $w=0$ ) stated in ILAC-G8:09/2019.



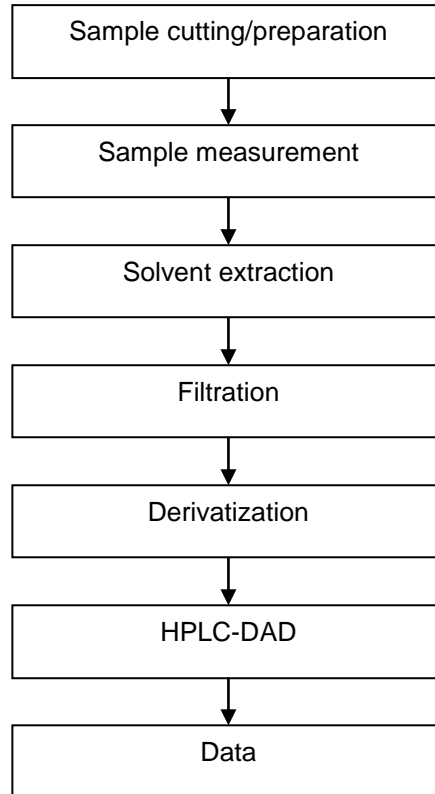
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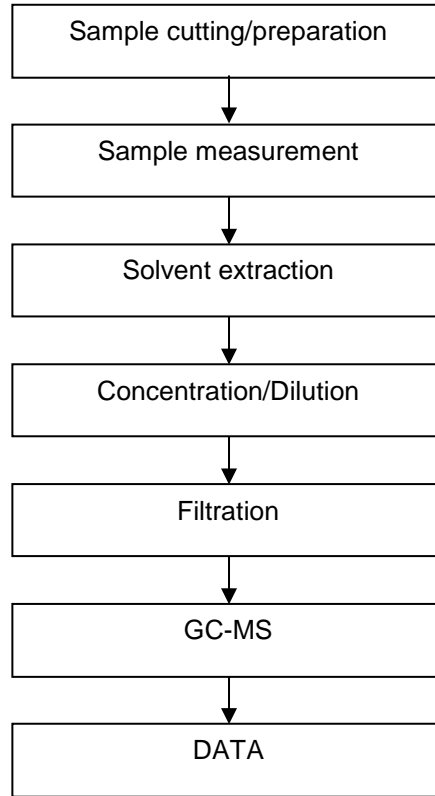
## Formaldehyde Testing Flow Chart



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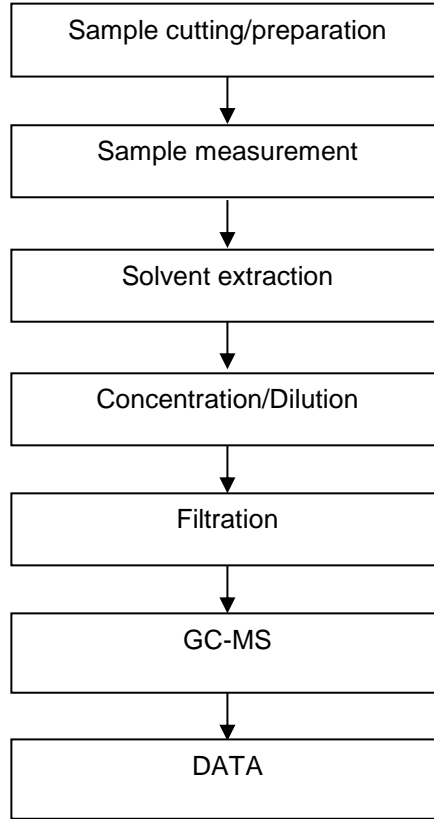
**DMF (N, N-dimethylformamide) Testing Flow Chart**



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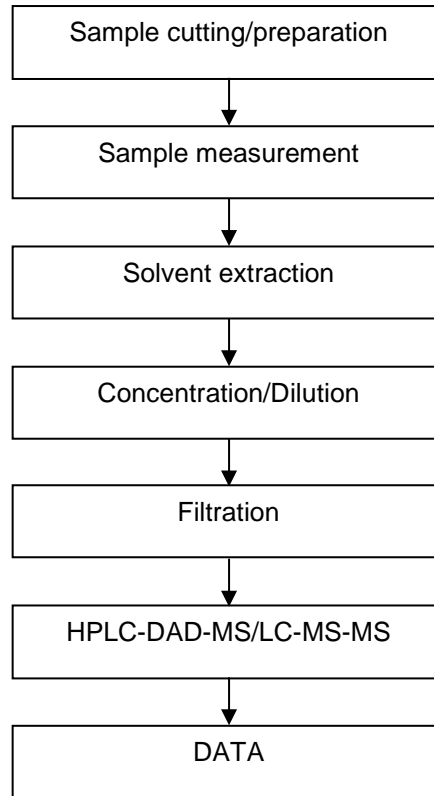
### Phthalates Testing Flow Chart



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## Bisphenols Testing Flow Chart



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### Sample Photo:



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



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