

## TEST REPORT

Date of Report: 3/23/2020

Project ID / Job Number: 234121078

Client: **One Stroke Inks**

Address: **458 Roberts Ace  
Louisville, KY 40214  
USA**

Model Identification: 180 SERIES

Item Description: Coated Papers

Number of Samples Submitted: 1

Additional Information: None

Test Parameters: **Multiple Parameters - CPSIA**

Date Received: 2/19/2020

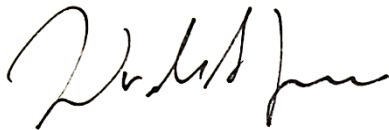
Testing Period: 2/24/2020 – 3/19/2020

Delivery Condition: *Apparent Good*

Testing Location: TÜV Rheinland of North America  
2709 SE Otis Corley Dr, Suite 11  
Bentonville, AR 72712 USA

Other Aspects: N/A

Test Report Compiled by:



William Tyree / Senior Chemist

Test Report Reviewed by:



Madison Schaugaard / Laboratory Supervisor

*Test result is drawn according to the kind and extent of tests performed. This test report is not permitted to be duplicated in extracts without permission of the test facility. This test report does not entitle any safety mark on this or similar products.*

**Test Parameters:**

| Test Specification                                |  |
|---|--|
| 1. Total Lead Content in Surface Coatings – CPSIA |  |
| 2. Total Phthalate Content in Substrates – CPSIA  |  |

**Test Results:**

**Material Breakdown List - Chemical Testing**

| Material No. | Material   | Color | Component / Location |
|--------------|------------|-------|----------------------|
| 1            | Dry Sample | Clear | 180 SERIES           |

**RESULTS**

**1. TOTAL LEAD CONTENT IN SURFACE COATINGS:**

The product shall comply with the Consumer Product Safety Act (CPSA) Regulations, 16 CFR 1303 and Consumer Product Safety Improvement Act (CPSIA). Surface coatings on toys and other articles intended for children shall not have total lead content in excess of 0.009 % (90 ppm).

**Test method:** The sample was analyzed by X-Ray Fluorescence Spectroscopy (XRF) according to ASTM F2853-10

| Test No. | Material or Component | Lead Content (mg/kg) | Maximum Permissible Limit<br>100 mg/kg<br>(Pass/Fail) |
|----------|-----------------------|----------------------|---|
|          |                       | MDL: 5 mg/kg         |   |
| 1        | 1                     | <5 mg/kg             | Pass  |

Abbreviation: MDL = Method Detection Limit mg/kg denotes milligram per kilogram (ppm)

**2. TOTAL PHTHALATE CONTENT IN SUBSTRATES:**

The CPSC prohibits children's toys and child care articles from containing concentrations of more than 0.1 percent of five phthalate chemicals, specifically diisononyl phthalate (DINP), diisobutyl phthalate (DIBP), di-n-pentyl phthalate (DPENP), di-n-hexyl phthalate (DHEXP), and dicyclohexyl phthalate (DCHP). Three phthalate chemicals, specifically di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), and benzyl butyl phthalate (BBP), under the CPSIA remains in full force and effect.

**Test method:** The sample was analyzed by organic solvent extraction and GCMS according to CPSC-CH-C1001-09.4

| Test No. | Material | MDL: 0.005% |         |           |          |         |          |          |          | Maximum Permissible Limit<br>0.100 %<br>(Pass/Fail) |
|----------|----------|-------------|---------|-----------|----------|---------|----------|----------|----------|---|
|          |          | DiBP (%)    | DBP (%) | DPENP (%) | DnHP (%) | BBP (%) | DEHP (%) | DCHP (%) | DINP (%) |   |
| 1        | 1        | <0.005%     | <0.005% | <0.005%   | <0.005%  | <0.005% | <0.005%  | <0.005%  | <0.005%  | Pass  |

Abbreviation: MDL = Method Detection Limit  
 BBP = Benzyl butyl phthalate  
 DEHP = Di-(2-ethylhexyl) phthalate  
 DIBP = Diisobutyl phthalate  
 DCHP = Dicyclohexyl phthalate  
 DBP = Dibutyl phthalate  
 DPENP = Di-n-pentyl phthalate  
 DINP = Diisononyl phthalate  
 DHEXP/DnHP = Di-n-hexyl phthalate

**Sample Photos:**



Test Article(s)

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