



## Test Report

No.: GZ0807131662/CHEM

Date: JUL 31, 2008

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MAOMING SAKATA INX CO., LTD.  
12TH SUB-DISTRICT, NANHAI EASTERN AREA, MAOGANG DISTRICT, MAOMING CITY, GUANGDONG,  
CHINA

The following sample(s) was/were submitted and identified on behalf of the applicant as C Ecopure

SGS Job No. : GZ11193872EC  
SGS Internal Reference No. : 4.4  
Client Reference Information : 黄色  
Date of Sample Received : JUL 28, 2008  
Testing Period : JUL 28, 2008 TO JUL 31, 2008

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

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

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

Conclusion : B: When tested as specified, the submitted sample(s) comply with the stated requirement of the European Standard EN71 Part 3 : 1994 (including amendment A1:2000/AC:2002).

Signed for and on behalf of  
SGS-CSTC Ltd.

Huang Fang, Sunny  
Sr. Engineer

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### Test Results:

Description for specimen 1 : Yellow ink

### A: Heavy Metal(s)

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Cadmium (Cd)	mg/kg	IEC 62321/2nd CDV (111/95/CDV), ICP-OES	N.D.	2
Lead (Pb)	mg/kg	IEC 62321/2nd CDV (111/95/CDV), ICP-OES	N.D.	2
Mercury (Hg)	mg/kg	IEC 62321/2nd CDV (111/95/CDV), ICP-OES	N.D.	2
Hexavalent Chromium (CrVI) by alkaline extraction	mg/kg	IEC 62321/2nd CDV (111/95/CDV), UV-Vis	N.D.	2

### Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. The result(s) of specimen is/are of the total weight of dry sample.

### Flame Retardants

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Sum of PBBs	mg/kg	-	N.D.	-
Monobromobiphenyl	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Dibromobiphenyl	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Tribromobiphenyl	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Tetrabromobiphenyl	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Pentabromobiphenyl	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Hexabromobiphenyl	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Heptabromobiphenyl	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Octabromobiphenyl	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Nonabromobiphenyl	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Decabromobiphenyl	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Sum of PBDEs	mg/kg	-	N.D.	-
Monobromodiphenyl ether	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Dibromodiphenyl ether	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Tribromodiphenyl ether	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Tetrabromodiphenyl ether	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Pentabromodiphenyl ether	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Hexabromodiphenyl ether	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Heptabromodiphenyl ether	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Octabromodiphenyl ether	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Nonabromodiphenyl ether	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5
Decabromodiphenyl ether ##	mg/kg	IEC 62321/2nd CDV (111/95/CDV), GC-MS	N.D.	5

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Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. ## = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008
5. "-" = Not regulated
6. The result(s) of specimen is/are of the total weight of dry sample.

**B: EN71 Part 3 : 1994 (including amendment A1:2000/ AC:2002) - Migration of Certain Elements**

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Soluble Lead (Pb)	mg/kg	EN71 Part 3 :1994 + A1: 2000/AC: 2002, ICP-OES	N.D.	5	90
Soluble Antimony (Sb)	mg/kg	EN71 Part 3 :1994 + A1: 2000/AC: 2002, ICP-OES	N.D.	2	60
Soluble Arsenic (As)	mg/kg	EN71 Part 3 :1994 + A1: 2000/AC: 2002, ICP-OES	N.D.	2	25
Soluble Barium (Ba)	mg/kg	EN71 Part 3 :1994 + A1: 2000/AC: 2002, ICP-OES	N.D.	5	1000
Soluble Cadmium (Cd)	mg/kg	EN71 Part 3 :1994 + A1: 2000/AC: 2002, ICP-OES	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	EN71 Part 3 :1994 + A1: 2000/AC: 2002, ICP-OES	N.D.	5	60
Soluble Mercury (Hg)	mg/kg	EN71 Part 3 :1994 + A1: 2000/AC: 2002, ICP-OES	N.D.	2	60
Soluble Selenium (Se)	mg/kg	EN71 Part 3 :1994 + A1: 2000/AC: 2002, ICP-OES	N.D.	5	500

Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. Results of soluble elements shown are of the adjusted analytical results.
5. The result(s) of specimen is/are of the total weight of dry sample.

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### C: PFOS (Perfluorooctane sulfonates)

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Perfluorooctane sulfonates (PFOS)				
PFOS – Acid				
PFOS – Metal Salt	mg/kg	EPA 3540C: 1996, LC-MS	N.D.	10
PFOS – Amide				

Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. The result(s) of specimen is/are of the total weight of wet sample.

Reference Information: Directive 2006/122/EC

- (1) May not be placed on the market or used as a substance or constituent of preparations in a concentration equal to or higher than 0.005 % by mass.
- (2) May not be placed on the market in semi-finished products or articles, or parts thereof, if the concentration of PFOS is equal to or higher than 0.1 % by mass calculated with reference to the mass of structurally or microstructurally distinct parts that contain PFOS or, for textiles or other coated materials, if the amount of PFOS is equal to or higher than 1 µg /m<sup>2</sup> of the coated material.

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Sample photo :



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

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