



Test Report

No. SH8082830/ CHEM

Date: Jun. 16, 2008

Page 1 of 5

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Name : ART BOARD
SGS Ref No. : SUZ11070246-2
Part No. : ART BOARD
Main substance : PAPER

Sample Receiving Date : Jun.11, 2008
Testing Period : Jun.11 – 16, 2008

Test Requested : (1) In accordance with the RoHS Directive 2002/95/EC, and its amendment directives,
(2) To determine the PFOS (Perfluorooctane Sulfonates) content of the submitted samples.

Test Method : (1) With reference to IEC 62321/2nd CDV (111/95/CDV) Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products
(1-1) Determination of Cadmium by ICP.
(1-2) Determination of Lead by ICP.
(1-3) Determination of Mercury by ICP.
(1-4) Determination of Hexavalent Chromium by Colorimetric Method.
(1-5) Determination of PBBs and PBDEs by GC/MS.
(2) With reference to EPA 3540C: 1996 / EPA 3550C: 2000.
Analysis was performed by High Performance Liquid Chromatograph-Mass Spectrometer (HPLC-MS).

Test Results : Please refer to next pages

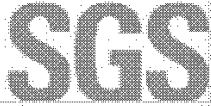
Conclusion : (1) Based on the performed tests on submitted samples, the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of
SGS-CSTC Chemical Laboratory

Ella Zhang
Section Manager

Signed for and on behalf of
SGS-CSTC Chemical Laboratory

Sandy Hao
Lab Manager



Test Report

No. SH8082830/ CHEM

Date: Jun. 16, 2008

Page 2 of 5

Test results by chemical method (Unit: mg/kg)

(1) Cadmium, Lead, Mercury, Hexavalent Chromium and PBBs/PBBEs Content

<u>Test Item(s):</u>	<u>Method (refer to)</u>	<u>1</u>	<u>MDL</u>	<u>RoHS Limit</u>
Cadmium(Cd)	(1-1)	ND	2	100
Lead (Pb)	(1-2)	ND	2	1000
Mercury (Hg)	(1-3)	ND	2	1000
Hexavalent Chromium (CrVI)	(1-4)	ND	2	1000
Sum of PBBs	(1-5)	ND	-	1000
Monobromobiphenyl		ND	5	-
Dibromobiphenyl		ND	5	-
Tribromobiphenyl		ND	5	-
Tetrabromobiphenyl		ND	5	-
Pentabromobiphenyl		ND	5	-
Hexabromobiphenyl		ND	5	-
Heptabromobiphenyl		ND	5	-
Octabromobiphenyl		ND	5	-
Nonabromobiphenyl		ND	5	-
Decabromobiphenyl		ND	5	-
Sum of PBDEs (Note 4)		ND	-	1000
Monobromodiphenyl ether		ND	5	-
Dibromodiphenyl ether		ND	5	-
Tribromodiphenyl ether		ND	5	-
Tetrabromodiphenyl ether		ND	5	-
Pentabromodiphenyl ether		ND	5	-
Hexabromodiphenyl ether		ND	5	-
Heptabromodiphenyl ether		ND	5	-
Octabromodiphenyl ether		ND	5	-
Nonabromodiphenyl ether	ND	5	-	
Decabromodiphenyl ether	ND	5	-	
Sum of PBDEs (Mono to Deca)	ND	-	-	

(2) PFOS (Perfluorooctane Sulfonates) content

<u>Test Items</u>	<u>Test method (refer to)</u>	<u>1</u>	<u>MDL</u>
Perfluorooctane Sulfonates (PFOS) PFOS – Acid PFOS – Metal Salt PFOS – Amide	(2)	ND	10

Test Part Description:

- White paper

The release of this electronic report by SGS RSTS Database system is subject to the terms and conditions of SGS RSTS Database service and those applied to the original hardcopy report. For the purpose of your reference only, this electronic copy is in accordance with the issued report. User of the electronic report shall note that SGS authenticates only the electronic report directly downloaded from SGS RSTS Database system.



Test Report

No. SH8082830/ CHEM

Date: Jun. 16, 2008

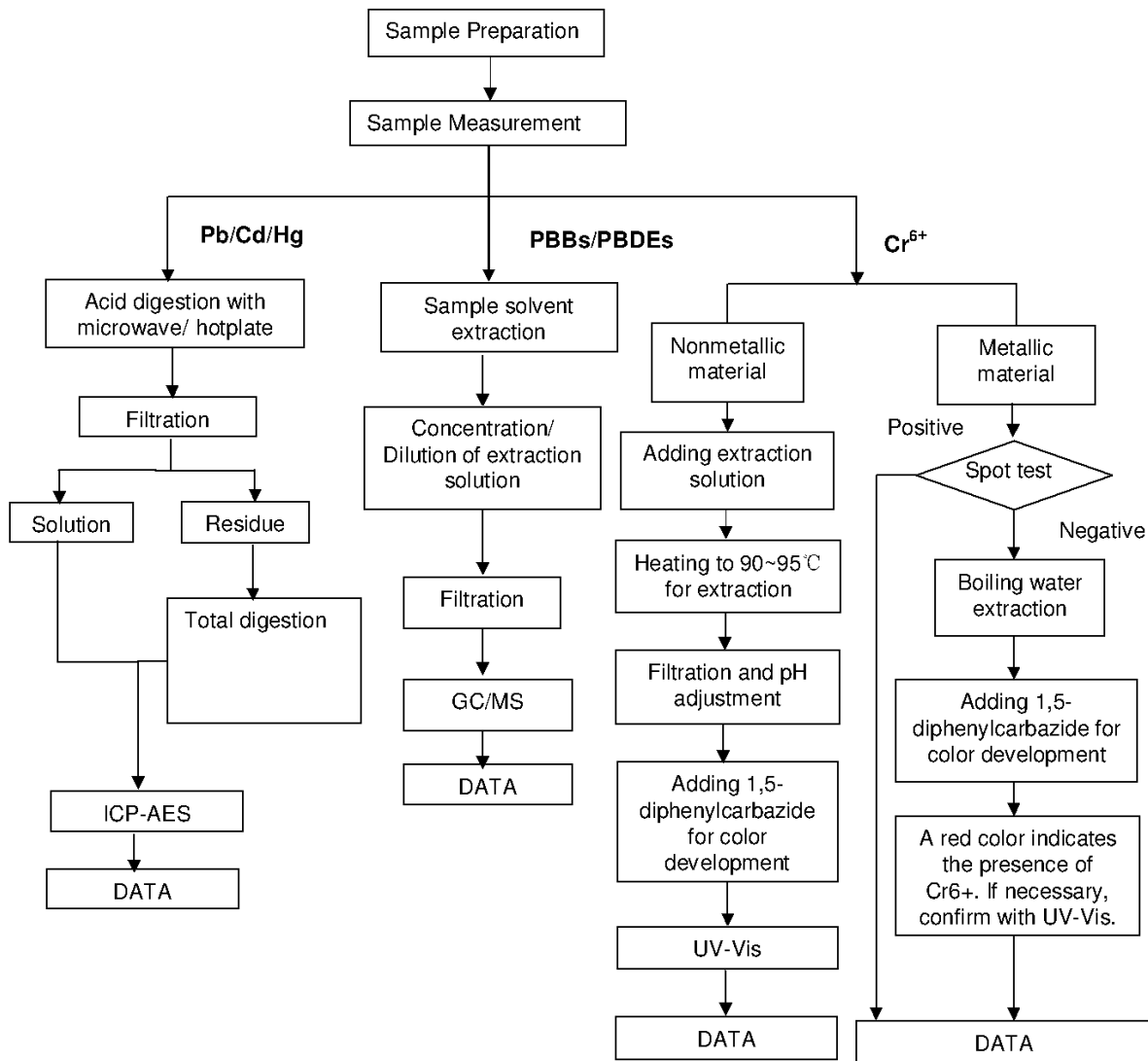
Page 3 of 5

Note:

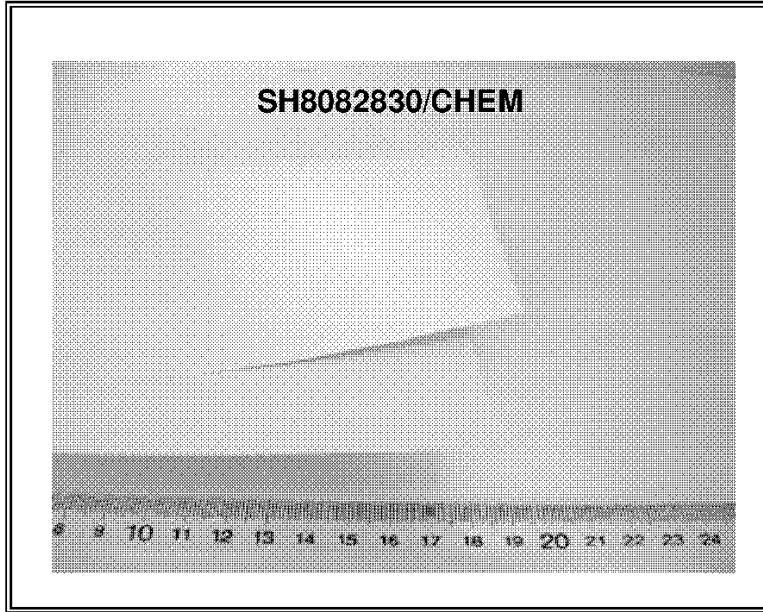
- (1) mg/kg = ppm
- (2) ND = Not Detected
- (3) MDL = Method Detection Limit
- (4) Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt.
- (5) "-" = Not Regulated
- (6) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC
- (7) Reference Information: Directive 2006/122/EC
 - (i) 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.
 - (ii) 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 $1 \mu\text{g}/\text{m}^2$ of the coated material.

ATTACHMENTS

- 1) Name of the person who made measurement: Cathy Cai/George Xu/Diane Wang
- 2) Name of the person in charge of measurement: Terry Wang/Tracy Yue
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr6+ and PBBs/PBDEs test method excluded)



Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***