



PART NO: GTKSCFSATA

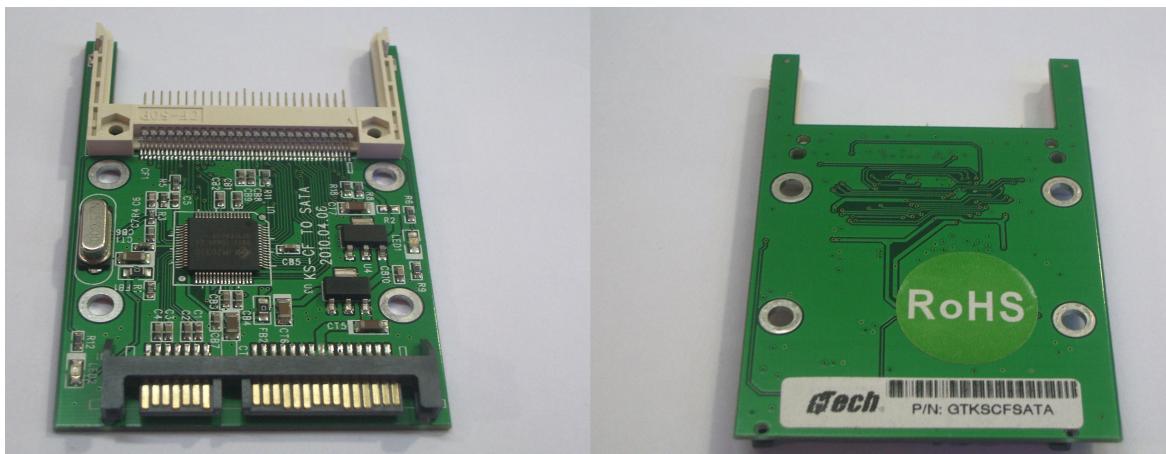
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PART NO: GTKSCFSATA

PHOTO:



PRIFILE:

SATA-CF Adapter is designed to enable Compact Flash (CFI/II) media to be used as a direct replacement for a 2.5 inch SATA hard drive. As a result, any equipment, such as Notebook computer, that uses a 2.5 inch SATA hard drive can be easily converted to use the low power and shock resistant CF media. Once installed, the CF appears as an ordinary hard drive to any OS and can be configured as a boot device.

Warning:

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SPECIFICATIONS AND FEATURES:

Enable Compact Flash (CF) to be used like ordinary 2.5 inch SATA hard drive .

Compatible with CFI/II . Support 5V and 3.3V(Jump Switch) .
SATA interface .

Mounts directly onto notebook 2.5 inch SATA connector .

CF Card can be the primary bootable device containing the OS and applications.

Transparent to the operating system and does not require any drivers .

Supports DMA and Ultra DMA modes (only on flash media card with such features).

Compatible with DOS, Windows 3.1, NT4, 98SE, Me, 2000, XP, Vista, Mac, Linux .

Size:73mm*51mm*6mm

Warning:

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Test Report

No. CANEC0800665507

Date: 11 Mar 2008

Page 1 of 3

SHENZHEN RISEDONE ELECTRONICS CO.,LTD.

NO.3004,HUA QIANG SOUTH ROAD,FUTIAN DISTRICT,SHENZHEN, GUANGDONG PROVINCE

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

AG PLATED BRASS STRIP

SGS Job No. : 10874776 - SZ
SGS Internal Reference No. : 10.9
Date of Sample Received : 04 Mar 2008
Testing Period : 04 Mar 2008 - 10 Mar 2008
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

Signed for and on behalf of
SGS-CSTC Ltd.

Huang Fang, Sunny
Sr. Engineer

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Shenzhen SGS Quality Services Co., Ltd.
中国·广州·经济技术开发区科学城科珠路198号 邮编:510663

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Test Report

No. CANEC0800665507

Date: 11 Mar 2008

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Test Results:

ID for specimen 1 : CAN08-006655.005
Description for specimen 1 : Silvery plated metal

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	15	2
Mercury (Hg)	mg/kg	IEC 62321/2nd CDV (111/95/CDV), ICP-OES	N.D.	2
Hexavalent Chromium (CrVI) by boiling water extraction	-	IEC 62321/2nd CDV (111/95/CDV), UV-Vis	Negative	◊

Note:

1. mg/kg = ppm
2. N.D. = Not Detected (= MDL)
3. MDL = Method Detection Limit
4. ◊ = Spot-Test:

Negative = Absence of CrVI coating, Positive = Presence of CrVI coating;

(The tested sample should be further verified by boiling-water-extraction method if the spot test result is negative or cannot be confirmed.)

Boiling-water-extraction:

Negative = Absence of CrVI coating

Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.

5. "-" = Not regulated

¹⁰ See *Supplementary Note* to the *Report of the Royal Commission on the Status of Women*, *Women in the Labour Force* (Ottawa, 1970), pp. 10-11.

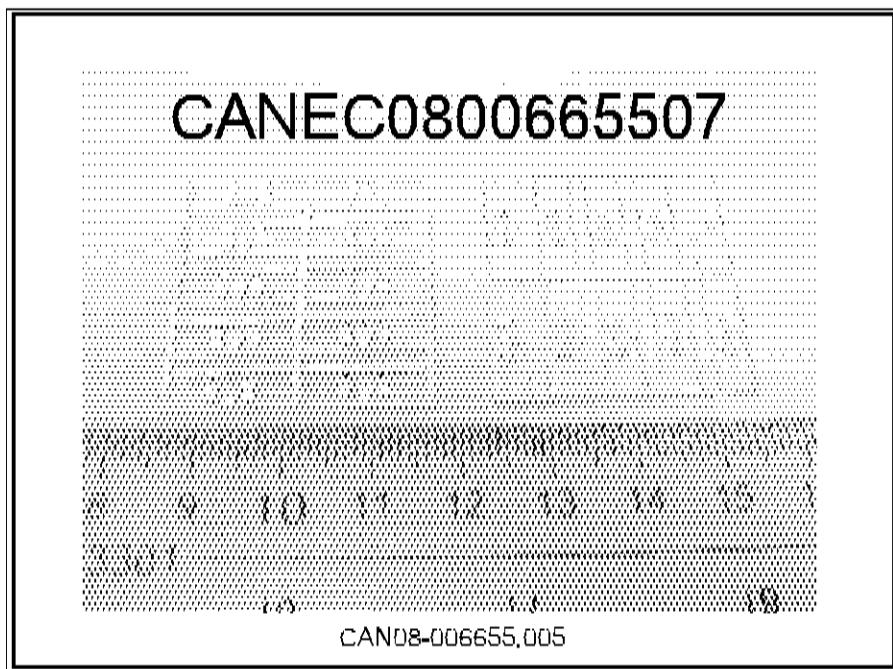
Test Report

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Date: 11 Mar 2008

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Sample photo:



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*** End of Report ***

Finally, we can also use the `get` method of the `Model` class to get a `Model` instance for a specific model, for example, the `Customer` model. This is useful when we want to get a specific model instance to update its data. For example, if we want to update a specific customer's information, we can use the `get` method to get the `Customer` model instance, and then update its data. This is a common operation in many applications, such as e-commerce systems, where we need to update a specific product's price or quantity.

Test Report

No. CANEG0800665501

Date: 11 Mar 2008

Page 1 of 4

SHENZHEN RISEDONE ELECTRONICS CO., LTD.

No.3004 HUAQIANG SOUTH ROAD, FUTIAN DISTRICT, SHENZHEN, GUANGDONG PROVINCE, CHINA

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

GRAY PLASTIC

SGS Job No. : 10874776 - SZ
SGS Internal Reference No. : 10.3
Date of Sample Received : 04 Mar 2008
Testing Period : 04 Mar 2008 - 10 Mar 2008
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

Signed for and on behalf of
SGS-CSTC Ltd

Huang Fang, Sunny
Sr. Engineer



Test Report

No. CANEC0800665501

Date: 11 Mar 2008

Page 2 of 4

Test Results:

ID for specimen 1 : CAN08-006655.002
Description for specimen 1 : Gray plastic

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	18	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

Flame retardant

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
Tetra bromobiphenyl	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
Nanabromobiphenyl	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
Tetra bromodiphenyl 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
Nanabromodiphenyl 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

Test Report

No. CANEC0800665501

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Note:

1. mg/kg = ppm
2. N.D. = Not Detected (\leq MDL)
3. MDL = Method Detection Limit
4. "-" = Not regulated

1. *Intergenerational transmission of the disease*: the disease can be transmitted from one generation to the next. This can happen through inheritance of the disease gene or through transmission of the disease from a parent to a child. The disease can also be transmitted through other means, such as through contact with an infected person or through exposure to an infected environment.

Answers to common questions (FAQS)

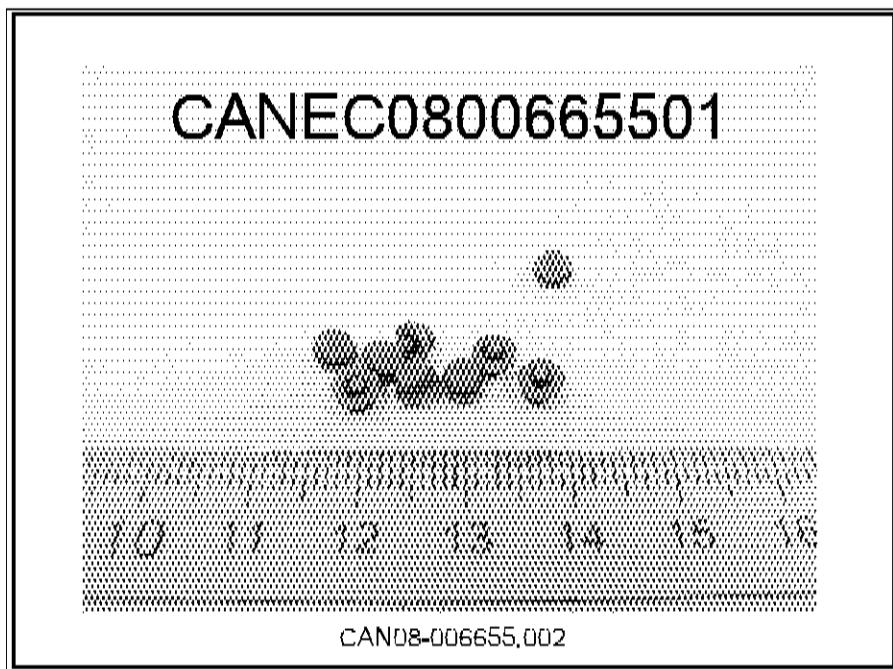
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Sample photo:



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*** End of Report ***

112. *On the other hand, if we do not have a good model of the system, then we cannot make a good prediction of the system's behavior. This is a general principle that applies to all kinds of systems, from the weather to the economy to the stock market. In other words, if we want to make a good prediction of the system's behavior, we need to understand the system's dynamics, and this requires a good model of the system.*

¹⁰ See also the important discussion in Lévi-Strauss (1973).

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Test Report

No. : KA/2009/C2115 Date : 2010/01/06 Page : 1 of 6

CHI MEI CORPORATION
59-1 SAN CHIA, JEN TE TAINAN COUNTY, TAIWAN

SGS Taiwan Ltd.

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

Sample Description : ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER
Style/Item No. : POLYLAC® PA-757
Sample Receiving Date : 2009/12/28
Testing Period : 2009/12/28 TO 2010/01/06

Test Requested
Contact
sgstaiwan

Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives.
Test Method : With reference to IEC 62321: 2008
Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.
(1) Determination of Cadmium by ICP-AES.
(2) Determination of Lead by ICP-AES.
(3) Determination of Mercury by ICP-AES.
(4) Determination of Hexavalent Chromium by UV/Vis Spectrometry.
(5) Determination of PBB and PBDE by GC/MS.

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

Ray Chang / Asst. Manager
Signed for and on behalf of
SGS Taiwan Limited

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Test Report

No. : KA/2008/C2115 Date : 2010/01/06 Page : 2 of 6

CHI MEI CORPORATION
69-1 SAN CHIA, JEN TE TAINAN COUNTY, TAIWAN

SGS TAIWAN

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

Test Item (s):	Method (Refer to)	Result	MDL	RoHS Limit
		No.1		
Cadmium (Cd)	(1)	n.d.	2	100
Lead (Pb)	(2)	n.d.	2	1000
Mercury (Hg)	(3)	n.d.	2	1000
Hexavalent Chromium Cr(VI) by alkaline extraction	(4)	n.d.	2	1000
Sum of PBBS		n.d.	-	1000
Monobromobiphenyl		n.d.	5	-
Dibromobiphenyl		n.d.	5	-
Tribromobiphenyl		n.d.	5	-
Tetrabromobiphenyl		n.d.	5	-
Pentabromobiphenyl		n.d.	5	-
Hexabromobiphenyl		n.d.	5	-
Heptabromobiphenyl		n.d.	5	-
Octabromobiphenyl		n.d.	5	-
Nonabromobiphenyl		n.d.	5	-
Decabromobiphenyl		n.d.	5	-
Sum of PBDEs		n.d.	-	1000
Monobromodiphenyl ether		n.d.	5	-
Dibromodiphenyl ether		n.d.	5	-
Tribromodiphenyl ether		n.d.	5	-
Tetrabromodiphenyl ether		n.d.	5	-
Pentabromodiphenyl ether		n.d.	5	-
Hexabromodiphenyl ether		n.d.	5	-
Heptabromodiphenyl ether		n.d.	5	-
Octabromodiphenyl ether		n.d.	5	-
Nonabromodiphenyl ether		n.d.	5	-
Decabromodiphenyl ether		n.d.	5	-

(5)

TEST PART DESCRIPTION:

NO.1 : NATURE ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER

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Test Report

No. : KA2009/C2115 Date : 2010/01/06 Page : 3 of 6

CHI MEI CORPORATION
56-1 SAN CHIA, JEN TE TAINAN COUNTY, TAIWAN

Note : 1. mg/kg = ppm ; 0.1wt% = 1000ppm
 2. n.d. = Not Detected
 3. MDL = Method Detection Limit
 4. * = Not Regulated

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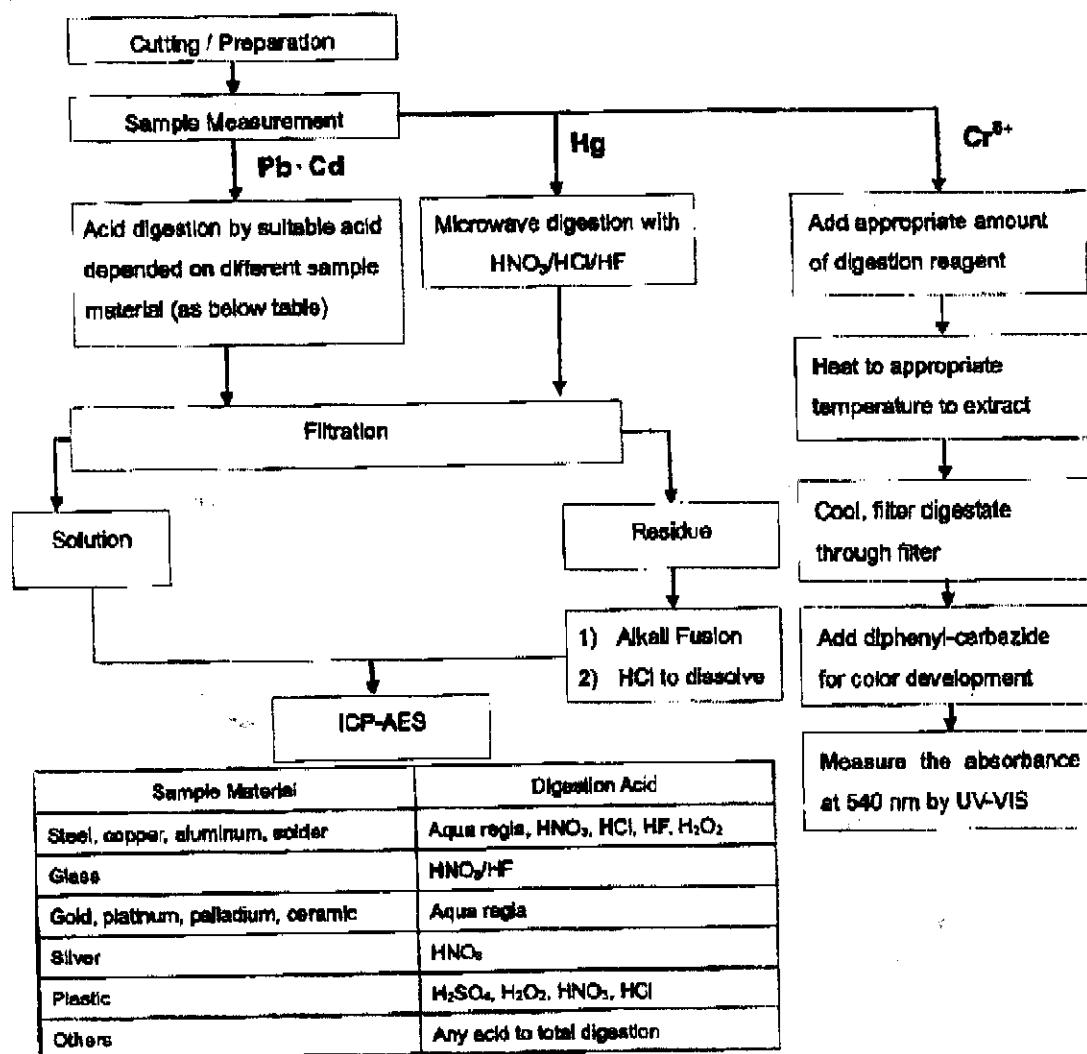
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Test Report

No. : KA/2009/C2115 Date : 2010/01/06 Page : 4 of 6

CHI MEI CORPORATION
59-1 SAN CHIA, JEN TE TAINAN COUNTY, TAIWAN

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Hungming Li
- 3) Name of the person in charge of measurement: Ray Chang



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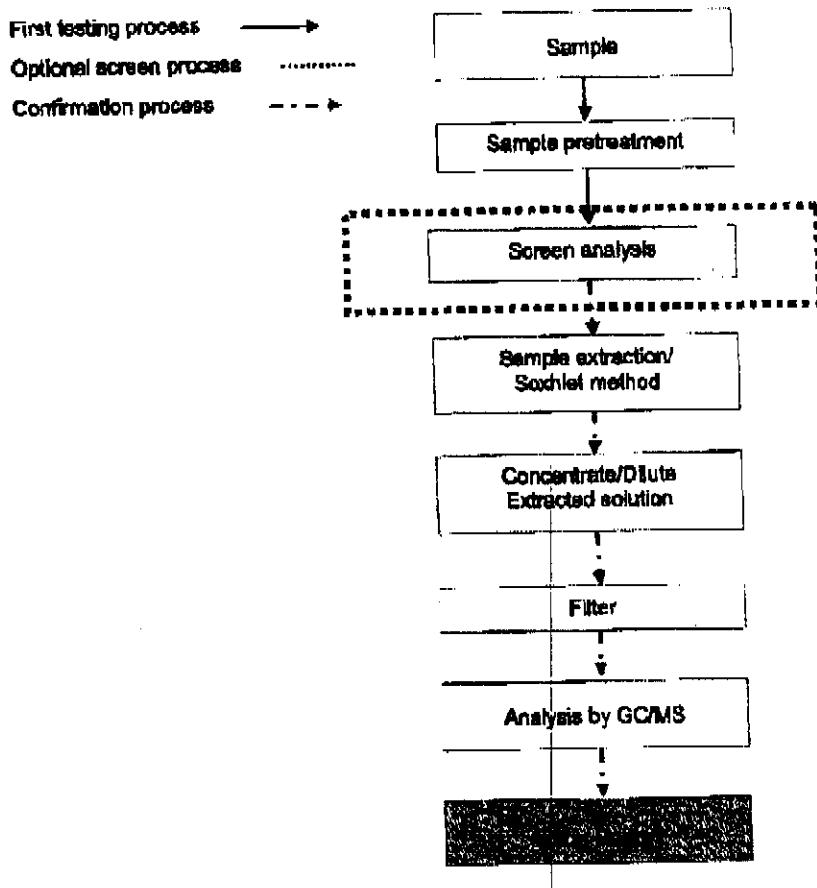
Test Report

No. : KA/2009/C2115 Date : 2010/01/06 Page : 5 of 6

CHI MEI CORPORATION
59-1 SAN CHIA, JEN TE TAINAN COUNTY, TAIWAN

PBB/PBDE analytical FLOW CHART

1) Name of the person who made measurement: Anson Tsao
2) Name of the person in charge of measurement: Ray Cheng

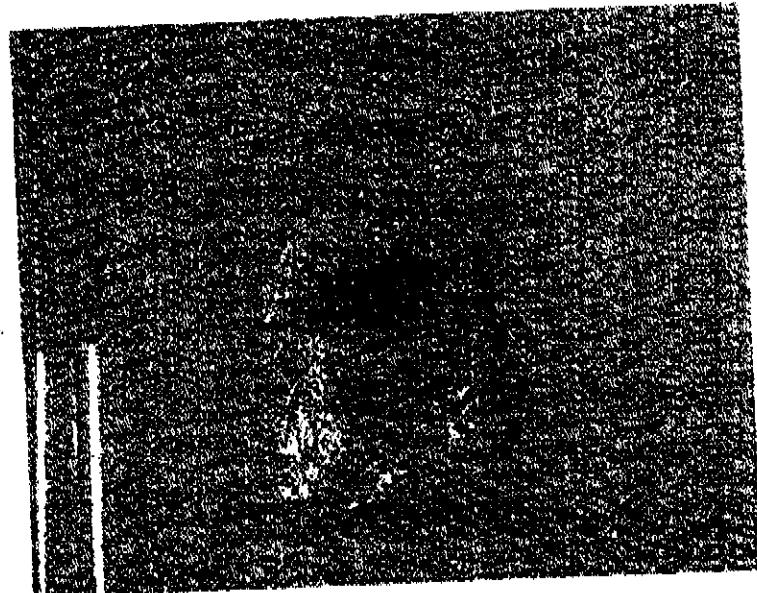


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Test Report

No : KA/2008/C2115 Date : 2010/01/06 Page : 6 of 6

CHIMEI CORPORATION
59-1 SAN CHIA, JEN TE TAINAN COUNTY, TAIWAN



** End of Report **

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DONG GUAN JIN HUI ELECTRONICS PLASTICS CO., LTD
YANG WU THREE INDUSTRIAL PARK DALING SHAN TOWN DONGGUAN CITY

The following sample(s) was/were submitted and identified on behalf of the applicant as PBT 加纤防火

SGS Job No. : SZ12347846

Client Reference Information : 黑色

Date of Sample Received : JAN 14, 2010

Testing Period : JAN 14, 2010 TO JAN 21, 2010

Test Requested : A: Fifteen (15) Substances of Very High Concern (SVHC) screening
Based on the SVHC candidate list published by European Chemicals Agency (ECHA) on
2008 October 28, regarding Regulation (EC) No 1907/2006 concerning REACH.

B: Selected test (s) as requested by client.

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

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

Summary : A: According to the specified scope and analytical technique, concentrations of all 15 SVHC are <0.1% in the submitted sample(s).

Signed for and on behalf of
SGS-CSTC Ltd.



Manson Yang
Sr. Engineer

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Test Sample:

Sample Description: Dk-grey plastic

A:

Sample as received are classified as below categories :

Description
Polymers : (i.e. PVC, PET, ABS , Rubber)
Metals : (i.e. Alloy, Stainless, Aluminium)
PCBA / Composite : (i.e. PCB, IC)
Non-Metal and Non-Polymers : (i.e. Textile, Paper, Leather, Wood)
Glass / Ceramic
Others : (i.e. Chemical Substance or Preparation, Desiccant, Carbon/Ink in Cartridge)

Remark:

1. Definition of classification is listed in **Appendix A** of this report in accordance with 67/548/EEC and Regulation (EC) No 1907/2006.

Test Method:

SGS In-House method- RSTS-EE-SVHC-002, Analyzed by ICP/AES, GC/MS and GC/ECD.

Remarks:

1. The chemical analysis of 15 SVHC is performed by means of currently available analytical techniques against the SVHC candidate list published by ECHA on 2008 October 28, and shall refer to http://echa.europa.eu/chem_data/candidate_list_table_en.asp. This list is under evaluation by ECHA and may subject to change in the future.
2. In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance is present in those articles above a concentration of **0.1%** weight by weight (w/w).
3. Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above **0.1%** weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance.
4. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

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Test Result:

Substance Name	CAS number	EC number	Concentration (%)	Reporting Limit (%)	Classification
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	ND	0.01	PBT
Anthracene	120-12-7	204-371-1	ND	0.005	PBT
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	ND	0.005	vPvB
Dibutyl phthalate (DBP)	84-74-2	201-557-4	ND	0.005	Toxic to Reproduction Category 2
4,4-Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	ND	0.005	Carcinogen Category 2
Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	ND	0.005	Toxic to Reproduction Category 2
Bis (2-ethylhexylphthalate) (DEHP)	117-81-7	204-211-0	ND	0.005	Toxic to Reproduction Category 2
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4 and 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	247-148-4 and 221-695-9	ND	0.005	PBT
Bis(tributyltin)oxide*	56-35-9	200-268-0	ND	0.005	PBT
Cobalt dichloride*	7646-79-9	231-589-4	ND	0.005	Carcinogen Category 2
Diarsenic pentaoxide*	1303-28-2	215-116-9	ND	0.005	Carcinogen Category 1
Diarsenic trioxide*	1327-53-3	215-481-4	ND	0.005	Carcinogen Category 1
Triethyl arsenate*	15606-95-8	427-700-2	ND	0.005	Carcinogen Category 1
Lead hydrogen arsenate*	7784-40-9	232-064-2	ND	0.005	Carcinogen Category 1; Toxic to Reproduction Category 1
Sodium dichromate*	10588-01-9	234-190-3	ND	0.005	Carcinogen Category 2; Mutagen Category 2; Toxic to Reproduction Category 2

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Remark:

- 1*. Calculated concentration of cobalt dichloride is based on the identified cobalt by ICP-AES and the identified chloride by IC method.

Calculated concentration of diarsenic pentaoxide, diarsenic trioxide, lead hydrogen arsenate and triethyl arsenate are based on the identified heavy metal result (i.e. Arsenic, Lead)

Calculated concentrations of sodium dichromate are based on the identified sodium by ICP-AES and the identified chromium(VI) by spectroscopic method. The test result is reported as sodium dichromate (CAS number 10588-01-9). Please note that sodium dichromate dihydrate (CAS number 7789-12-0) is no longer classified as SVHC according to the latest amendment of 67/548/EEC (31th Adaption to Technical progress).

Calculated concentration of bis(tributyltin)oxide TBTO is based on the identified tin by ICP- AES and confirmed by TLC.

Identity of above metal substances present in the article has to be further confirmed.

Reporting Limit is evaluated for element (i.e. tin, cobalt, chloride, arsenic, lead, sodium, chromium (VI) respectively)

2. ND = Not detected (lower than Reporting Limit)
3. All Reporting Limit is based on homogenous material

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B: Elementary Analysis

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Cadmium (Cd)	mg/kg	IEC 62321: 2008, ICP-OES	N.D.	2
Lead (Pb)	mg/kg	IEC 62321: 2008, ICP-OES	12	2
Mercury (Hg)	mg/kg	IEC 62321: 2008, ICP-OES	N.D.	2
Hexavalent Chromium (CrVI) by alkaline extraction	mg/kg	IEC 62321: 2008, UV-Vis	N.D.	2

Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit

Flame Retardants

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Sum of PBBs	mg/kg	-	N.D.	-
Monobromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Dibromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Tribromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Tetrabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Pentabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Hexabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Heptabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Octabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Nonabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Decabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Sum of PBDEs	mg/kg	-	13	-
Monobromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Dibromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Tribromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Tetrabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Pentabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Hexabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Heptabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Octabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Nonabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5
Decabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	13	5

Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. "-" = Not regulated

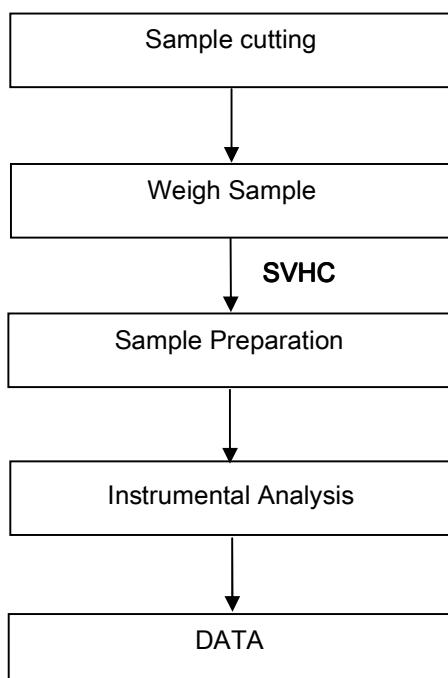
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ATTACHMENTS

Testing Flow Chart

- 1) Name of the person who made measurement: Bella Wang / Tina Zhao
- 2) Name of the person in charge of measurement: Adams Yu / Ryan Yang



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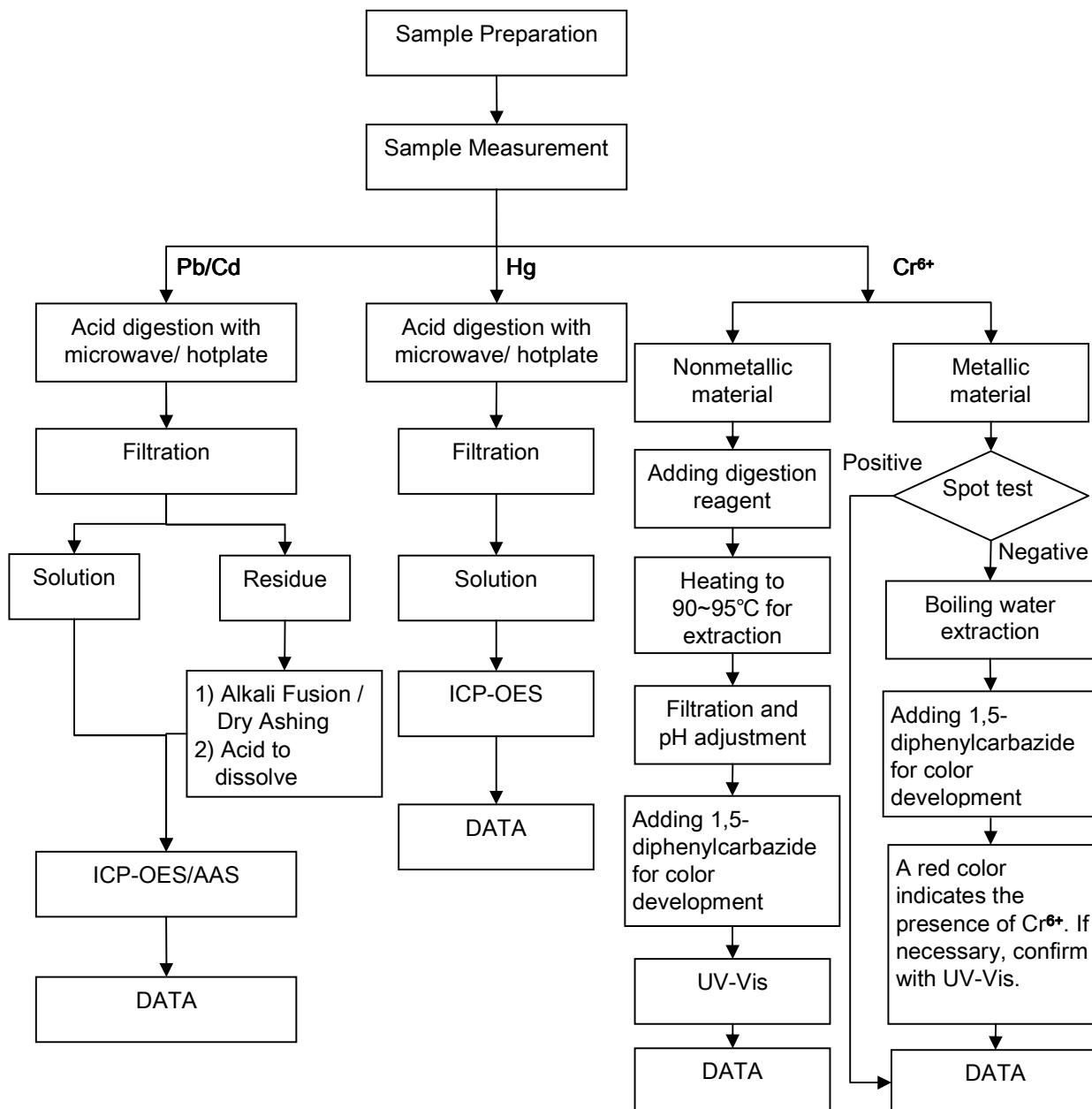
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ATTACHMENTS

Testing Flow Chart

- 1) Name of the person who made measurement: Bella Wang
- 2) Name of the person in charge of measurement: Adams Yu
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart (Cr⁶⁺ test method excluded) .

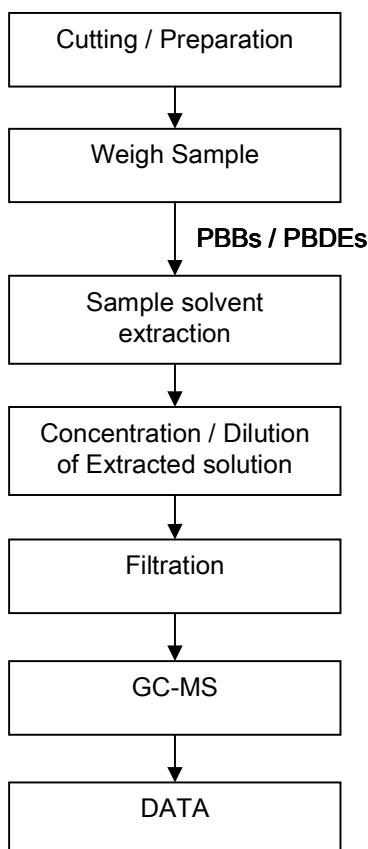


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Testing Flow Chart

- 1) Name of the person who made measurement: Tina Zhao
- 2) Name of the person in charge of measurement: Ryan Yang



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Sample photo :



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Appendix A Classification

Definition under 67/548/EEC and Regulation (EC) No 1907/2006

Carcinogen Category 1: Substances known to be carcinogenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and the development of cancer.

Carcinogen Category 2: Substances which should be regarded as if they are carcinogenic to man. There is sufficient evidence to provide a strong presumption that human exposure to a substance may result in the development of cancer.
Generally on the basis of:
- appropriate long-term animal studies
- other relevant information.

Mutagen Category 1: Substances known to be mutagenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and heritable genetic damage.

Mutagen Category 2: Substances which should be regarded as if they are mutagenic to man. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in the development of heritable genetic damage, generally on the basis of:
- appropriate animal studies,
- other relevant information.

Toxic to Reproduction Category 1: Substances known to impair fertility in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and impaired fertility.
Substances known to cause developmental toxicity in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and subsequent developmental toxic effects in the progeny.

Toxic to Reproduction Category 2: Substances which should be regarded as if they impair fertility in humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in impaired fertility on the basis of:
- clear evidence in animal studies of impaired fertility in the absence of toxic effects, or, evidence of impaired fertility occurring at around the same dose levels as other toxic effects but which is not a secondary nonspecific consequence of the other toxic effects,
- other relevant information.
Substances which should be regarded as if they cause developmental toxicity to humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in developmental toxicity, generally on the basis of:
- clear results in appropriate animal studies where effects have been observed in the absence of signs of marked maternal toxicity, or at around the same dose levels as other toxic effects but which are not a secondary non-specific consequence of the other toxic effects,
- other relevant information.

PBT & vPvB: Substances which are persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) pose a particular challenge to the chemicals safety management. For these substances a "safe" concentration in the environment cannot be established with sufficient reliability.

*** End of Report ***

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