

Mag Layers Scientific-Technics., Co., Ltd

Material Description

......

Mag. Layers certify below statement for material description.

Component type:

Wire Wound SMD Type MSCDRI-xxxxX SERIES

Description:

- · Comply with Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS).
- · Comply with the request for Halogen Free limit.

The limit as below:

CI: 900 ppm Br: 900 ppm

Total halogens contained: 1500 ppm

Material:

Name of material	Pb	Cd	Hg	Cr+6	PBBs	PBDEs	Br	Cl	Report NO
DR CORE	N.D	N.D	N.D	N.D	N.D	N.D	ŀ		CE/2014/C0424
RI CORE	N.D	N.D	N.D	Negative	N.D	N.D	-		RHS05G006163010
WIRE	N.D	N.D	N.D	Negative					CE/2015/44585
SOLDER	227ppm	N.D	N.D	Negative	N.D	N.D	N.D	N.D	CE/2014/B3058
ADHESIVE	N.D	N.D	N.D	N.D	1		N.D	441ppm	ECL01H008076010E SHAEC1509878601
INK	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	SHAEC1501515501



Test Report

越峯電子材料股份有限公司 ACME ELECTRONICS CORPORATION

桃園縣觀音工業區國建二路2號

KUO-CHIEN 2ND RD., KUAN-YIN INDUSTRIAL DISTRICT, TAOYUAN COUNTY TAIWAN

頁數(Page): 1 of 9

以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as):

號碼(No.): CE/2014/C0424 日期(Date): 2014/12/09

送樣廠商(Sample Submitted By) : 越峯電子材料股份有限公司 (ACME ELECTRONICS CORPORATION)

樣品名稱(Sample Description) : Mn-Zn FERRITE CORE

樣品型號(Style/Item No.) : P41

收件日期(Sample Receiving Date) : 2014/12/02

測試期間(Testing Period) : 2014/12/02 TO 2014/12/09

測試結果(Test Results) : 請見下一頁 (Please refer to next pages).





Test Report

越峯電子材料股份有限公司 ACME ELECTRONICS CORPORATION 桃園縣觀音工業區國建二路2號

KUO-CHIEN 2ND RD., KUAN-YIN INDUSTRIAL DISTRICT, TAOYUAN COUNTY TAIWAN

號碼(No.): CE/2014/C0424



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測試結果(Test Results)

測試部位(PART NAME)No.1 : 深灰色金屬鐵芯 (DK. GRAY METAL CORE)

測試項目	單位	測試方法	方法偵測 極限値	結果 (Result)
(Test Items)	(Unit)	(Method)	(MDL)	No.1
鎬 / Cadmium (Cd)	mg/kg	參考IEC 62321-5: 2013方法,以感應 耦合電漿原子發射光譜儀檢測./With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.
鉛 / Lead (Pb)	mg/kg	參考IEC 62321-5: 2013方法,以感應 耦合電漿原子發射光譜儀檢測./With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.
汞 / Mercury (Hg)	mg/kg	參考IEC 62321-4: 2013方法,以感應 耦合電漿原子發射光譜儀檢測./With reference to IEC 62321-4: 2013 and performed by ICP-AES.	2	n.d.
六價鉻 / Hexavalent Chromium Cr(VI)	mg/kg	参考IEC 62321: 2008方法,以UV-VIS 檢測. / With reference to IEC 62321: 2008 and performed by UV- VIS.	2	n.d.
	mg/kg	参考US EPA 3060A方法,以UV-VIS (US EPA 7196A) 檢測./ With reference to US EPA Method 3060A & 7196A. Analysis was performed by UV-Vis Spectrometry.	2	n.d.
六溴環十二烷及所有主要被辨别出的異構物 / Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β - HBCDD, γ - HBCDD) (CAS No.: 25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	mg/kg	參考IEC 62321: 2008方法,以氣相層析/質譜儀檢測. / With reference to IEC 62321: 2008 method. Analysis was performed by GC/MS.	5	n.d.

日期(Date): 2014/12/09



Test Report

越峯電子材料股份有限公司 ACME ELECTRONICS CORPORATION 桃園縣觀音工業區國建二路2號

KUO-CHIEN 2ND RD., KUAN-YIN INDUSTRIAL DISTRICT, TAOYUAN COUNTY TAIWAN

號碼(No.): CE/2014/C0424



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測試項目	單位	測試方法	方法偵測 極限値	結果 (Result)	
(Test Items)	(Unit)	(Method)	(MDL)	No.1	
鄰苯二甲酸丁苯甲酯 / BBP (Butyl	%	參考EN 14372, 以氣相層析/質譜儀檢	0.003	n.d.	
Benzyl phthalate) (CAS No.: 85-68-7)		測. / With reference to EN 14372.			
		Analysis was performed by GC/MS.			
鄰苯二甲酸二丁酯 / DBP (Dibutyl	%	參考EN 14372, 以氣相層析/質譜儀檢	0.003	n.d.	
phthalate) (CAS No.: 84-74-2)		測. / With reference to EN 14372.			
		Analysis was performed by GC/MS.			
鄰苯二甲酸二 (2-乙基己基)酯 / DEHP	%	參考EN 14372, 以氣相層析/質譜儀檢	0.003	n.d.	
(Di- (2-ethylhexyl) phthalate) (CAS		測. / With reference to EN 14372.			
No.: 117-81-7)		Analysis was performed by GC/MS.			
多溴聯苯總和 / Sum of PBBs	mg/kg		-	n.d.	
一溴聯苯 / Monobromobiphenyl	mg/kg		5	n.d.	
二溴聯苯 / Dibromobiphenyl	mg/kg		5	n.d.	
三溴聯苯 / Tribromobiphenyl	mg/kg		5	n.d.	
四溴聯苯 / Tetrabromobiphenyl	mg/kg		5	n.d.	
五溴聯苯 / Pentabromobiphenyl	mg/kg	1	5	n.d.	
六溴聯苯 / Hexabromobiphenyl	mg/kg	1	5	n.d.	
七溴聯苯 / Heptabromobiphenyl	mg/kg	1	5	n.d.	
八溴聯苯 / Octabromobiphenyl	mg/kg]	5	n.d.	
九溴聯苯 / Nonabromobiphenyl	mg/kg		5	n.d.	
十溴聯苯 / Decabromobiphenyl	mg/kg	析/質譜儀檢測. / With reference to	5	n.d.	
多溴聯苯醚總和 / Sum of PBDEs	mg/kg	IEC 62321: 2008 and performed by	-	n.d.	
一溴聯苯醚 / Monobromodiphenyl ether	mg/kg	GC/MS.	5	n.d.	
二溴聯苯醚 / Dibromodiphenyl ether	mg/kg	1	5	n.d.	
三溴聯苯醚 / Tribromodiphenyl ether	mg/kg	1	5	n.d.	
四溴聯苯醚 / Tetrabromodiphenyl ether	mg/kg	1	5	n.d.	
五溴聯苯醚 / Pentabromodiphenyl ether	mg/kg	1	5	n.d.	
六溴聯苯醚 / Hexabromodiphenyl ether	mg/kg	1 Γ	5	n.d.	
七溴聯苯醚 / Heptabromodiphenyl ether	mg/kg	1 Γ	5	n.d.	
八溴聯苯醚 / Octabromodiphenyl ether	mg/kg	1 Γ	5	n.d.	
九溴聯苯醚 / Nonabromodiphenyl ether	mg/kg	1 Γ	5	n.d.	
十溴聯苯醚 / Decabromodiphenyl ether	mg/kg	1	5	n.d.	

日期(Date): 2014/12/09



Test Report

越峯電子材料股份有限公司

ACME ELECTRONICS CORPORATION

桃園縣觀音工業區國建二路2號

KUO-CHIEN 2ND RD., KUAN-YIN INDUSTRIAL DISTRICT, TAOYUAN COUNTY TAIWAN

號碼(No.): CE/2014/C0424

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備註(Note):

- 1. mg/kg = ppm ; 0.1wt% = 1000ppm
- 2. n.d. = Not Detected (未檢出)
- 3. MDL = Method Detection Limit (方法偵測極限值)
- 4. "-" = Not Regulated (無規格值)
- 5. 測試儀器/型號 (Testing Equipment / Model):

測試項目	設備	儀器製造商	儀器型號
(Test Item)	(Facilities)	(Instrument maker)	(Instrument model)
六價鉻 / Cr(VI)	UV-VIS	Varian	Cary 50
鎬 / Cd	ICP-AES	Varian	Vista Pro
鉛 / Pb	ICP-AES	Varian	Vista Pro
汞 / Hg	ICP-AES	Varian	Vista Pro
多溴聯苯 / PBBs	GC/MS	Agilent	6890/5975
多溴聯苯醚 / PBDEs	GC/MS	Agilent	6890/5975
可塑劑定量分析 / Phthalates	GC/MS	Agilent	6890/5975
六溴環十二烷 / Hexabromocyclododecane (HBCDD)	GC/MS	Agilent	6890/5975

日期(Date): 2014/12/09



Test Report

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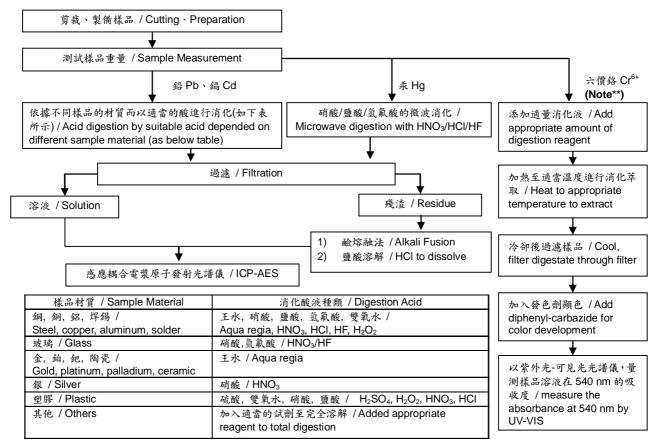
越峯電子材料股份有限公司

ACME ELECTRONICS CORPORATION

桃園縣觀音工業區國建二路2號

KUO-CHIEN 2ND RD., KUAN-YIN INDUSTRIAL DISTRICT, TAOYUAN COUNTY TAIWAN

- 1) 根據以下的流程圖之條件,樣品已完全溶解。(六價鉻測試方法除外) / These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) 測試人員:楊登偉 / Name of the person who made measurement: Climbgreat Yang
- 3) 測試負責人:張啓興 / Name of the person in charge of measurement: Troy Chang



Note** (For IEC 62321)

- (1) 針對非金屬材料加入鹼性消化液,加熱至 90~95℃萃取. / For non-metallic material, add alkaline digestion reagent and heat to 90~95℃.
- (2) 針對金屬材料加入純水,加熱至沸騰萃取. / For metallic material, add pure water and heat to boiling.



測試報告 **Test Report**

號碼(No.): CE/2014/C0424 日期(Date): 2014/12/09

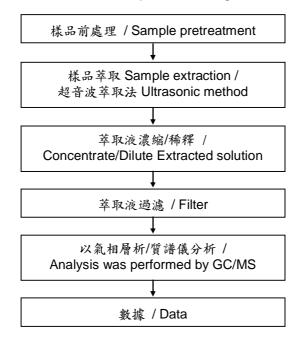
頁數(Page): 6 of 9

越峯電子材料股份有限公司 ACME ELECTRONICS CORPORATION 桃園縣觀音工業區國建二路2號

KUO-CHIEN 2ND RD., KUAN-YIN INDUSTRIAL DISTRICT, TAOYUAN COUNTY TAIWAN

六溴環十二烷分析流程圖 / HBCDD analytical flow chart

- 測試人員: 翁賜彬 / Name of the person who made measurement: Roman Wong
- 測試負責人:張啓興 / Name of the person in charge of measurement: Troy Chang





測試報告 **Test Report**

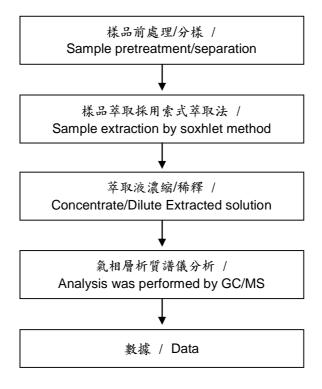
號碼(No.): CE/2014/C0424 日期(Date): 2014/12/09

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越峯電子材料股份有限公司 ACME ELECTRONICS CORPORATION 桃園縣觀音工業區國建二路2號 KUO-CHIEN 2ND RD., KUAN-YIN INDUSTRIAL DISTRICT, TAOYUAN COUNTY TAIWAN

可塑劑分析流程圖 / Analytical flow chart of phthalate content

- 測試人員: 翁賜彬 / Name of the person who made measurement: Roman Wong
- 測試負責人:張啓興 / Name of the person in charge of measurement: Troy Chang





Test Report

號碼(No.): CE/2014/C0424

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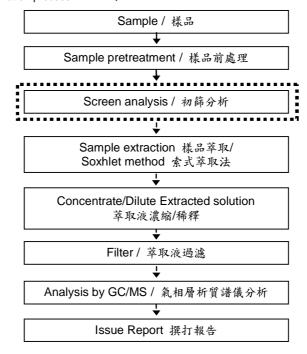
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KUO-CHIEN 2ND RD., KUAN-YIN INDUSTRIAL DISTRICT, TAOYUAN COUNTY TAIWAN

多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

- 測試人員:翁賜彬 / Name of the person who made measurement: Roman Wong
- 測試負責人:張啓興 / Name of the person in charge of measurement: Troy Chang

確認程序 / Confirmation process - - - - →





Test Report

越峯電子材料股份有限公司 ACME ELECTRONICS CORPORATION 桃園縣觀音工業區國建二路2號

校園 新観音 上来 四 國廷一路2 號 KUO-CHIEN 2ND RD., KUAN-YIN INDUSTRIAL DISTRICT, TAOYUAN COUNTY TAIWAN

號碼(No.): CE/2014/C0424

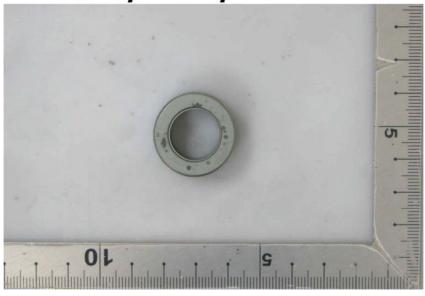
頁數(Page): 9 of 9

* 照片中如有箭頭標示,則表示為實際檢測之樣品/部位. *

日期(Date): 2014/12/09

(The tested sample / part is marked by an arrow if it's shown on the photo.)

CE/2014/C0424



** 報告結尾 (End of Report) **





Report No. RHS05G006163010

Page 1 of 4

Applicant FENGYIN ELECTRONICS(WUJIANG)CORP

Address ZHAQIAOVILLAGETONGLITOWNECONOMIC DEVELOPMENT ZONE

WUJIANG CITY

The following sample(s) and sample information was/were submitted and identified by/on the

behalf of the client

Sample Name Ferrite Core Material F5D material Sample Received Date Mar. 3, 2014

Testing Period Mar. 3, 2014 to Mar. 7, 2014

Test Requested As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg),

Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs) in the submitted sample(s).

Test Method

Test Item(s)	Test Method	Measured Equipment(s)
Lead(Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Cadmium(Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Mercury(Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis
Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS

Test Result(s)

Please refer to the following page(s).

Tested by

Chen Lijuan

Reviewed by

Date

rece parmin

Su Hongwei

Senior Laboratory Manager temational Co.,Ltd. Shanghai Branch Mar. 7, 2014

No. 1102132760

No.1996, New Jinqiao Road, Pudong District, Shanghai, China





Report No. RHS05G006163010

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Test Result(s)

Tested Item(s)	Result	MDL
Lead(Pb)	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg
Mercury(Hg)	N.D.	2 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	2 mg/kg

Tested Item(s)	Result	MDL
Polybrominated Biphenyls (PBB	s)	(6)
Monobromobiphenyl	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	5 mg/kg
Nonabromobiphenyl	N.D.	5 mg/kg
Decabromobiphenyl	N.D.	5 mg/kg

Tested Item(s)	Result	MDL					
Polybrominated Diphenyl Ethers (PBDEs)							
Monobromodiphenyl ether	N.D.	5 mg/kg					
Dibromodiphenyl ether	N.D.	5 mg/kg					
Tribromodiphenyl ether	N.D.	5 mg/kg					
Tetrabromodiphenyl ether	N.D.	5 mg/kg					
Pentabromodiphenyl ether	N.D.	5 mg/kg					
Hexabromodiphenyl ether	N.D.	5 mg/kg					
Heptabromodiphenyl ether	N.D.	5 mg/kg					
Octabromodiphenyl ether	N.D.	5 mg/kg					
Nonabromodiphenyl ether	N.D.	5 mg/kg					
Decabromodiphenyl ether	N.D.	5 mg/kg					

Tested Sample/Part Description Dark grey magnet

Note: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

-MDL = Method Detection Limit

-N.D. = Not Detected (< MDL)

-mg/kg = ppm = parts per million



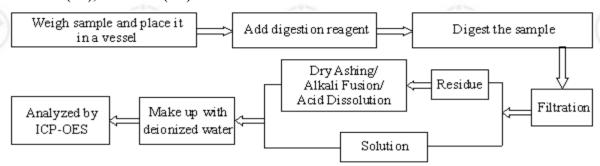


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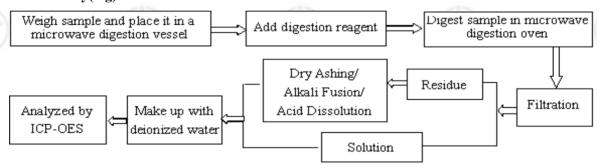
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Test Process

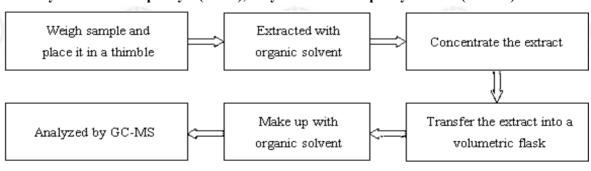
1. Lead(Pb), Cadmium(Cd)



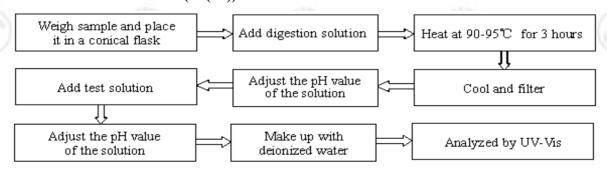
2. Mercury(Hg)



3. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



4. Hexavalent Chromium (Cr(VI))



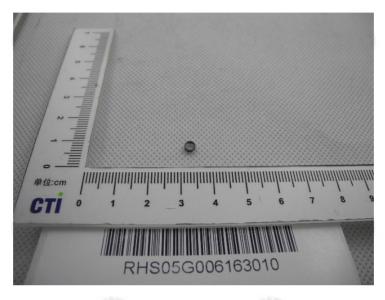




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Photo(s) of the sample(s)



*** End of report ***

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.





No.: CE/2015/44585 Date: 2015/04/27

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ELEKTRISOLA (MALAYSIA) SDN. BHD.
JALAN DAMAI SATU, JANDA BAIK, 28750 BENTONG, PAHANG, MALAYSIA.

The following samples was/were submitted and identified by/on behalf of the applicant as :

Sample Submitted By : ELEKTRISOLA (MALAYSIA) SDN. BHD. Sample Description : ELEKTRISOLA BARE COPPER WIRE

Sample Receiving Date : 2015/04/22

Testing Period : 2015/04/22 TO 2015/04/27

Test Requested

(1) As specified by client, with reference to RoHS Directive 2011/65/EU Annex II to determine Cadmium, Lead, Mercury, Cr(VI) contents in the submitted sample.

(2) Please refer to next pages for the other item(s).

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





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ELEKTRISOLA (MALAYSIA) SDN. BHD.
JALAN DAMAI SATU, JANDA BAIK, 28750 BENTONG, PAHANG, MALAYSIA.

Test Result(s)

PART NAME No.1 : COPPER COLORED METAL WIRE

Test Item(s)	Unit	Method	MDL	Result
rest item(s)	Oilit	Wiethou	WIDE	No.1
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.
Mercury (Hg)	mg/kg	With reference to IEC 62321-4: 2013 and performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	**	With reference to IEC 62321: 2008 and performed by Boiling water extraction Method.#	#	Negative
Beryllium (Be)	mg/kg	With reference to US EPA Method 3050B. Analysis was performed by ICP-AES.	2	n.d.

Note:

- 1. mg/kg = ppm; 0.1wt% = 1000ppm
- 2. n.d. = Not Detected
- 3. MDL = Method Detection Limit
- 4. ** = Qualitative analysis (No Unit)
- 5. # = a. Positive means the presence of CrVI on the tested areas
 - b. Negative means the absence of CrVI on the tested areas

The detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² tested areas.



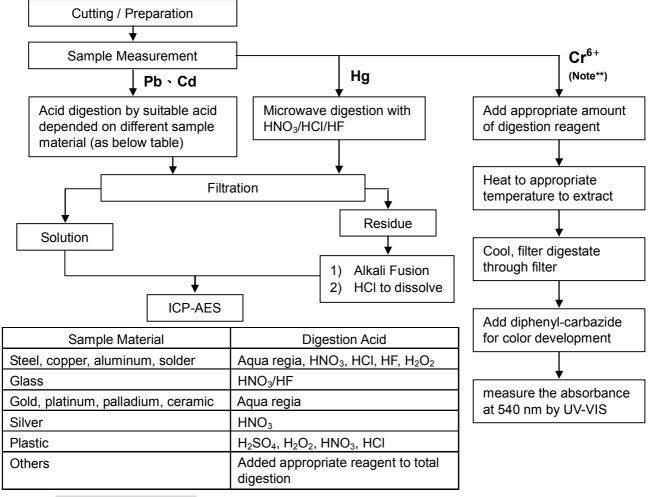
No.: CE/2015/44585 Date: 2015/04/27

ELEKTRISOLA (MALAYSIA) SDN. BHD.
JALAN DAMAI SATU, JANDA BAIK, 28750 BENTONG, PAHANG, MALAYSIA.



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- 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: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



Note** (For IEC 62321)

- (1) For non-metallic material, add alkaline digestion reagent and heat to 90~95 ℃.
- (2) For metallic material, add pure water and heat to boiling.



No.: CE/2015/44585 Date: 2015/04/27

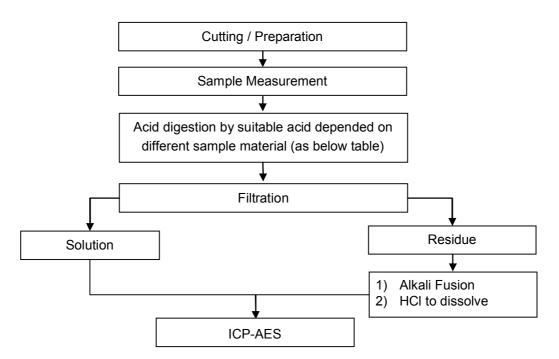
ELEKTRISOLA (MALAYSIA) SDN. BHD.
JALAN DAMAI SATU, JANDA BAIK, 28750 BENTONG, PAHANG, MALAYSIA.



Page: 4 of 5

- These samples were dissolved totally by pre-conditioning method according to below flow chart
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang

Flow Chart of digestion for the elements analysis performed by ICP-AES



Steel, copper, aluminum, solder	Aqua regia, HNO ₃ , HCI, HF, H ₂ O ₂
Glass	HNO₃/HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO ₃
Plastic	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl
Others	Added appropriate reagent to total digestion



No.: CE/2015/44585 Date: 2015/04/27

ELEKTRISOLA (MALAYSIA) SDN. BHD. JALAN DAMAI SATU, JANDA BAIK, 28750 BENTONG, PAHANG, MALAYSIA.



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* The tested sample / part is marked by an arrow if it's shown on the photo. *

CE/2015/44585



** End of Report **



Test Report

號碼(No.): CE/2014/B3058 日期(Date): 2014/11/24 頁數(Page): 1 of 12

昇貿科技股份有限公司

SHENMAO TECHNOLOGY INC.

桃園縣觀音工業區工業二路12-1號

NO. 12-1, GONGYE 2ND RD., GUANYIN INDUSTRIAL AREA, TAOYUAN COUNTY 328, TAIWAN

以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as):

樣品名稱(Sample Description) : LEAD-FREE SOLDER

樣品型號(Style/Item No.) : PF604

收件日期(Sample Receiving Date) : 2014/11/19

測試期間(Testing Period) : 2014/11/19 TO 2014/11/24

測試結果(Test Results) : 請見下一頁 (Please refer to next pages).



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昇貿科技股份有限公司 SHENMAO TECHNOLOGY INC. 桃園縣觀音工業區工業二路12-1號

NO. 12-1, GONGYE 2ND RD., GUANYIN INDUSTRIAL AREA, TAOYUAN COUNTY 328, TAIWAN

測試結果(Test Results)

測試部位(PART NAME)No.1 : 銀色金屬 (SILVER COLORED METAL)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限値 (MDL)	結果 (Result) No.1
鎬 / Cadmium (Cd)	mg/kg	參考IEC 62321-5: 2013方法,以感應耦合電 漿原子發射光譜儀檢測. / With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.
鉛 / Lead (Pb)	mg/kg	參考IEC 62321-5: 2013方法,以感應耦合電 漿原子發射光譜儀檢測. / With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	227
汞 / Mercury (Hg)	mg/kg	參考IEC 62321-4: 2013方法,以感應耦合電 漿原子發射光譜儀檢測. / With reference to IEC 62321-4: 2013 and performed by ICP-AES.	2	n.d.
六價鉻 / Hexavalent Chromium Cr(VI)	**	參考IEC 62321: 2008 - Annex B方法,以沸水萃取法檢測. / With reference to IEC 62321: 2008 - Annex B and performed by Boiling water extraction Method.#	#	Negative
六溴環十二烷及所有主要被辨别出的 異構物 / Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β - HBCDD, γ - HBCDD) (CAS No.: 25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	mg/kg	参考IEC 62321: 2008方法,以氣相層析/質 譜儀檢測. / With reference to IEC 62321: 2008 method. Analysis was performed by GC/MS.	5	n.d.



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异貿科技股份有限公司 SHENMAO TECHNOLOGY INC.

桃園縣觀音工業區工業二路12-1號

NO. 12-1, GONGYE 2ND RD., GUANYIN INDUSTRIAL AREA, TAOYUAN COUNTY 328, TAIWAN

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限値 (MDL)	結果 (Result) No.1
全氟辛烷磺酸 / Perfluorooctane sulfonates (PFOS-Acid, Metal Salt, Amide)	mg/kg	参考US EPA 3550C: 2007方法,以液相層析/質譜儀檢測./With reference to US EPA 3550C: 2007. Analysis was performed by LC/MS.	10	n.d.
全氟辛酸 / PFOA (CAS No.: 335-67- 1)	mg/kg	参考US EPA 3550C: 2007方法,以液相層析/ 質譜儀檢測. / With reference to US EPA 3550C: 2007. Analysis was performed by LC/MS.	10	n.d.
鄰苯二甲酸丁苯甲酯 / BBP (Butyl Benzyl phthalate) (CAS No.: 85- 68-7)	%	参考EN 14372, 以氣相層析/質譜儀檢測./ With reference to EN 14372. Analysis was performed by GC/MS.	0.003	n.d.
鄰苯二甲酸二 (2-乙基己基)酯 / DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	%	參考EN 14372, 以氣相層析/質譜儀檢測./ With reference to EN 14372. Analysis was performed by GC/MS.	0.003	n.d.
鄰苯二甲酸二異癸酯 / DIDP (Di- isodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1)	%	参考EN 14372, 以氣相層析/質譜儀檢測./ With reference to EN 14372. Analysis was performed by GC/MS.	0.01	n.d.
鄰苯二甲酸二異壬酯 / DINP (Di- isononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0)	%	参考EN 14372, 以氣相層析/質譜儀檢測./ With reference to EN 14372. Analysis was performed by GC/MS.	0.01	n.d.
鄰苯二甲酸二正辛酯 / DNOP (Di-n-octyl phthalate) (CAS No.: 117-84-0)	%	参考EN 14372, 以氣相層析/質譜儀檢測./ With reference to EN 14372. Analysis was performed by GC/MS.	0.003	n.d.
鄰苯二甲酸二丁酯 / DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	%	参考EN 14372, 以氣相層析/質譜儀檢測./ With reference to EN 14372. Analysis was performed by GC/MS.	0.003	n.d.

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昇貿科技股份有限公司 SHENMAO TECHNOLOGY INC. 桃園縣觀音工業區工業二路12-1號

NO. 12-1, GONGYE 2ND RD., GUANYIN INDUSTRIAL AREA, TAOYUAN COUNTY 328, TAIWAN

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限値	結果 (Result)
(lest Items)	(Onit)	(Method)	(MDL)	No.1
多溴聯苯總和 / Sum of PBBs	mg/kg		-	n.d.
一溴聯苯 / Monobromobiphenyl	mg/kg		5	n.d.
二溴聯苯 / Dibromobiphenyl	mg/kg		5	n.d.
三溴聯苯 / Tribromobiphenyl	mg/kg		5	n.d.
四溴聯苯 / Tetrabromobiphenyl	mg/kg		5	n.d.
五溴聯苯 / Pentabromobiphenyl	mg/kg		5	n.d.
六溴聯苯 / Hexabromobiphenyl	mg/kg		5	n.d.
七溴聯苯 / Heptabromobiphenyl	mg/kg		5	n.d.
八溴聯苯 / Octabromobiphenyl	mg/kg		5	n.d.
九溴聯苯 / Nonabromobiphenyl	mg/kg	参考IEC 62321: 2008 - Annex A方法,以氣	5	n.d.
十溴聯苯 / Decabromobiphenyl	mg/kg	相層析/質譜儀檢測. / With reference to	5	n.d.
多溴聯苯醚總和 / Sum of PBDEs	mg/kg	IEC 62321: 2008 - Annex A and performed	-	n.d.
一溴聯苯醚 / Monobromodiphenyl ether	mg/kg	by GC/MS.	5	n.d.
二溴聯苯醚 / Dibromodiphenyl ether	mg/kg		5	n.d.
三溴聯苯醚 / Tribromodiphenyl ether	mg/kg		5	n.d.
四溴聯苯醚 / Tetrabromodiphenyl ether	mg/kg		5	n.d.
五溴聯苯醚 / Pentabromodiphenyl ether	mg/kg		5	n.d.
六溴聯苯醚 / Hexabromodiphenyl ether	mg/kg		5	n.d.
七溴聯苯醚 / Heptabromodiphenyl ether	mg/kg		5	n.d.
八溴聯苯醚 / Octabromodiphenyl ether	mg/kg		5	n.d.
九溴聯苯醚 / Nonabromodiphenyl ether	mg/kg		5	n.d.
十溴聯苯醚 / Decabromodiphenyl ether	mg/kg		5	n.d.



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昇貿科技股份有限公司

SHENMAO TECHNOLOGY INC.

桃園縣觀音工業區工業二路12-1號

NO. 12-1, GONGYE 2ND RD., GUANYIN INDUSTRIAL AREA, TAOYUAN COUNTY 328, TAIWAN

測試項目 (Test Items)	單位 (Unit) (Method)	方法偵測 極限値	結果 (Result)	
(1660 Items)		(110 0220 4)	(MDL)	No.1
鹵素 / Halogen				
鹵素(氟)/ Halogen-Fluorine (F) (CAS No.: 14762-94-8)	mg/kg	參考BS EN 14582:2007, 以離子層析儀分析. / With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
鹵素(氯)/ Halogen-Chlorine (C1) (CAS No.: 22537-15-1)	mg/kg		50	n.d.
鹵素(溴)/ Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg		50	n.d.
鹵素(碘)/ Halogen-Iodine (I) (CAS No.: 14362-44-8)	mg/kg		50	n.d.

備註(Note):

- 1. mg/kg = ppm ; 0.1wt% = 1000ppm
- 2. n.d. = Not Detected (未檢出)
- 3. MDL = Method Detection Limit (方法偵測極限值)
- 4. "-" = Not Regulated (無規格值)
- 5. **= Qualitative analysis (No Unit) 定性分析(無單位)
- 6. # = a. Positive means the presence of CrVI on the tested areas (Positive表示測試區域偵測到六價鉻)
 - b. Negative means the absence of CrVI on the tested areas (Negative表示測試區域未偵測到六價鉻)

The detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² tested areas. / 該溶液濃度≥0.02 mg/kg with 50 cm² (tested areas)

PFOS参考資訊(Reference Information): 持久性有機污染物 POPs - (EU) 757/2010

PFOS濃度在物質或製備中不得超過0.001%(10ppm),在半成品、成品或零部件中不得超過0.1%(1000ppm),在紡織品或 塗層材料中不得超過1µg/m²。

(Outlawing PFOS as substances or preparations in concentrations above 0.001% (10ppm), in semi-finished products or articles or parts at a level above 0.1%(1000ppm), in textiles or other coated materials above $1\mu g/m^2$.)



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Test Report

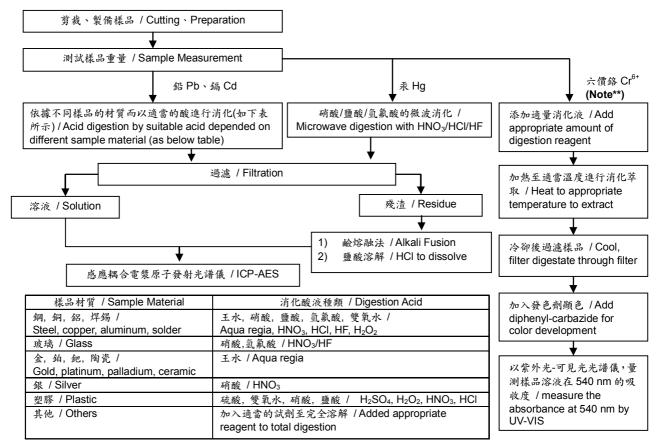
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SHENMAO TECHNOLOGY INC.

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NO. 12-1, GONGYE 2ND RD., GUANYIN INDUSTRIAL AREA, TAOYUAN COUNTY 328, TAIWAN

- 1) 根據以下的流程圖之條件,樣品已完全溶解。(六價鉻測試方法除外) / These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) 測試人員:楊登偉 / Name of the person who made measurement: Climbgreat Yang
- 3) 測試負責人: 張啓興 / Name of the person in charge of measurement: Troy Chang



Note** (For IEC 62321)

- (1) 針對非金屬材料加入鹼性消化液,加熱至 90~95℃ 萃取. / For non-metallic material, add alkaline digestion reagent and heat to 90~95℃.
- (2) 針對金屬材料加入純水,加熱至沸騰萃取. / For metallic material, add pure water and heat to boiling.



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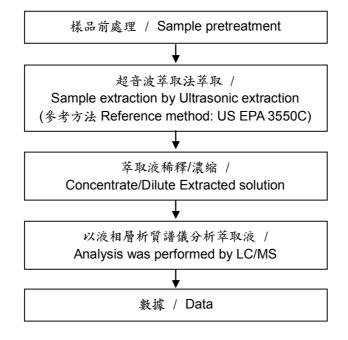
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桃園縣觀音工業區工業二路12-1號

NO. 12-1, GONGYE 2ND RD., GUANYIN INDUSTRIAL AREA, TAOYUAN COUNTY 328, TAIWAN

全氟辛酸/全氟辛烷磺酸分析流程圖 / PFOA/PFOS analytical flow chart

- 測試人員: 翁賜彬 / Name of the person who made measurement: Roman Wong
- 測試負責人:張啓興 / Name of the person in charge of measurement: Troy Chang





Test Report

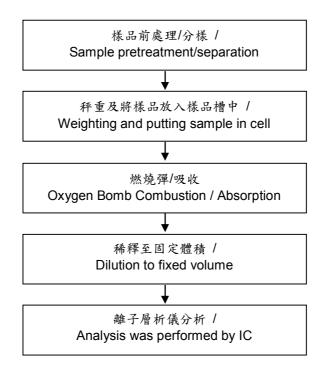
號碼(No.): CE/2014/B3058 日期(Date): 2014/11/24 頁數(Page): 8 of 12

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NO. 12-1, GONGYE 2ND RD., GUANYIN INDUSTRIAL AREA, TAOYUAN COUNTY 328, TAIWAN

鹵素分析流程圖 / Analytical flow chart of halogen content

- 測試人員:陳恩臻 / Name of the person who made measurement: Rita Chen
- 測試負責人:張啓興 / Name of the person in charge of measurement: Troy Chang





Test Report

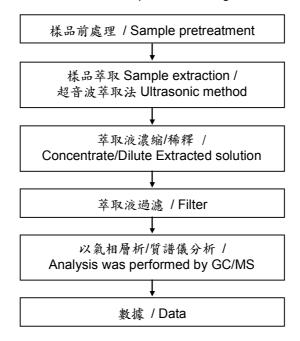
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NO. 12-1, GONGYE 2ND RD., GUANYIN INDUSTRIAL AREA, TAOYUAN COUNTY 328, TAIWAN

六溴環十二烷分析流程圖 / HBCDD analytical flow chart

- 測試人員:翁賜彬 / Name of the person who made measurement: Roman Wong
- 測試負責人:張啓興 / Name of the person in charge of measurement: Troy Chang





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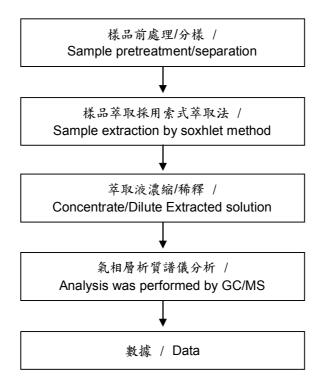
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可塑劑分析流程圖 / Analytical flow chart of phthalate content

- 測試人員:翁賜彬 / Name of the person who made measurement: Roman Wong
- 測試負責人:張啓興 / Name of the person in charge of measurement: Troy Chang



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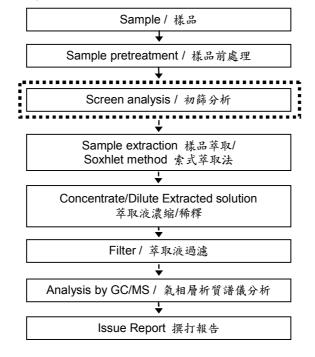
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多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

- 測試人員: 翁賜彬 / Name of the person who made measurement: Roman Wong
- 測試負責人:張啓興 / Name of the person in charge of measurement: Troy Chang

確認程序 / Confirmation process - · - · ▶





Test Report

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昇貿科技股份有限公司 SHENMAO TECHNOLOGY INC.

桃園縣觀音工業區工業二路12-1號

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* 照片中如有箭頭標示,則表示為實際檢測之樣品/部位. * (The tested sample / part is marked by an arrow if it's shown on the photo.)

CE/2014/B3058



** 報告結尾 (End of Report) **



检测报告

Test Report

报告编号 ECL01H008076010E Report No. ECL01H008076010E 第1页 共8页

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申请单位 长濑精细化工(无锡)有限公司

Applicant NAGASE CHEMTEX(WUXI)CORPORATION 地 址 无锡市新区机电工业园B区锡霞路3#

Address NO.3 XIXIA ROAD,B-B,MACHINERY & ELECTRONICS INDUSTRY PARK

WUXI NATIONAL HI-TECH INDUSTRIAL DEVELOPMENT ZONE.

以下测试之样品及样品信息由申请者提供并确认

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

样品名称 XNR3614固化物

Sample Name Curing Material XNR3614

 材料名称
 环氧树脂

 Material
 EPOXY RESIN

样品接收日期 2015.02.12 Sample Received Date Feb. 12, 2015

样品检测日期 2015.02.12-2015.02.15

Testing Period Feb. 12, 2015 to Feb. 15, 2015

检测要求 根据客户要求,对所提交样品中的铅(Pb),镉(Cd),汞(Hg),六价

铬(Cr(VI)),多溴联苯(PBBs),多溴二苯醚(PBDEs)进行测试。

Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg),

Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyl(PBBs), Polybrominated Diphenyl Ethers(PBDEs) in the submitted sample(s).

检测依据/检测结果

请参见下页。

Test Method/Test Result(s) Please refer to the following page(s).

主检Yang Huifeng It 准 Su Hongwei

Su Hongwei

Senior Laboratory Manager 验测技术股份有限公司上海分公司 International Co.,Ltd. Shanghai Branch 审核 Reviewed by

日 期

Date

XuJing

2015.02.15

No. R108723998

上海市浦东新区新金桥路 1996 号 No.1996,Xinjinqiao Road, Pudong New District,Shanghai,China



检测报告

Test Report

报告编号 ECL01H008076010E ECL01H008076010E Report No.

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结论Conclusion

测试样品 **Tested Sample**

依据指令 According to directive

结果 Result

提交样品

2011/65/EU*

合格 Pass

Submitted Sample

Pass means that the results shown on the report do not exceed the limits set by RoHS Directive 2011/65/EU.

























































^{*2011/65/}EU为欧盟RoHS指令(2002/95/EC)的重订指令。该指令对电子电器产品中的特定有毒有害物质(铅(Pb), 镉(Cd), 汞(Hg), 六价铬(Cr(VI)), 多溴联苯(PBBs), 多溴二苯醚(PBDEs)) 限制使用。 合格表示检测结果不超过欧盟RoHS指令2011/65/EU要求的限值。

^{*2011/65/}EU is a new version of RoHS Directive (2002/95/EC), which focuses on restriction of the use of certain $hazardous\ substances\ (Lead(Pb),\ Cadmium(Cd),\ Mercury(Hg),\ Hexavalent\ Chromium(Cr(VI)),\ Polybrominated$ Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs)) in electrical and electronic equipment.





报告编号 ECL01H008076010E ECL01H008076010E Report No.

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检测依据 Test Method

测试项目 Test Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)	
铅(Pb) Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	
镉(Cd) Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	
汞(Hg) Mercury (Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES	
六价铬(Cr(VI)) Hexavalent Chromium(Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis	
多溴联苯(PBBs) Polybrominated Biphenyl(PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	
多溴二苯醚(PBDEs) Polybrominated Diphenyl Ethers(PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	

检测结果 Test Result(s)

测试项目 Test Item(s)	结果 Result	方法检测限 MDL	2011/65/EU指令限值 Limit of Directive 2011/65/EU
铅(Pb) Lead (Pb)	N.D.	2 mg/kg	1000 mg/kg
镉 (Cd) Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
汞(Hg) Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
六价铬(Cr(VI)) Hexavalent Chromium (Cr(VI))	N.D.	2 mg/kg	1000 mg/kg

















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			2
测试项目 Test Item(s)	结果 Result	方法检测限 MDL	2011/65/EU指令限值 Limit of Directive 2011/65/EU
多溴联苯(PBBs) Polybrominate	ed Biphenyl(PBBs)		752.5
一溴联苯 Monobromobiphenyl	N.D.	5 mg/kg	(4)
二溴联苯 Dibromobiphenyl	N.D.	5 mg/kg	
三溴联苯 Tribromobiphenyl	N.D.	5 mg/kg	(A)
四溴联苯 Tetrabromobiphenyl	N.D.	5 mg/kg	
五溴联苯 Pentabromobiphenyl	N.D.	5 mg/kg	
六溴联苯 Hexabromobiphenyl	N.D.	5 mg/kg	1000 mg/kg
七溴联苯 Heptabromobiphenyl	N.D.	5 mg/kg	
八溴联苯 Octabromobiphenyl	N.D.	5 mg/kg	
九溴联苯 Nonabromobiphenyl	N.D.	5 mg/kg	
十溴联苯 Decabromobiphenyl	N.D.	5 mg/kg	(File)

































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测试项目 Test Item(s)	结果 Result	方法检测限 MDL	2011/65/EU指令限值 Limit of Directive 2011/65/EU
多溴二苯醚(PBDEs) Polybrom	inated Diphenyl Ethers(PBDEs)	7020
一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg	
二溴二苯醚 Dibromodiphenyl ether	N.D.	5 mg/kg	
三溴二苯醚 Tribromodiphenyl ether	N.D.	5 mg/kg	(1)
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5 mg/kg	
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5 mg/kg	
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5 mg/kg	1000 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5 mg/kg	/ *S
八溴二苯醚 Octabromodiphenyl ether	N.D.	5 mg/kg	
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5 mg/kg	
十溴二苯醚 Decabromodiphenyl ether	N.D.	5 mg/kg	(File)

测试样品/部位描述

黑色固体

Tested Sample/Part Description

Black solid

注释:

对于检测铅, 镉, 汞之样品已完全溶解。

-N.D. = 未检出 (小于方法检测限)

-mg/kg= ppm = 百万分之几

Note:

The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

-MDL = Method Detection Limit -N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million













检测报告

Test Report

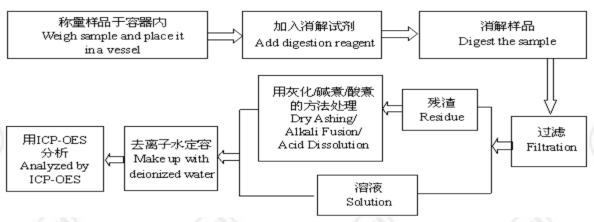
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检测流程 Test Process

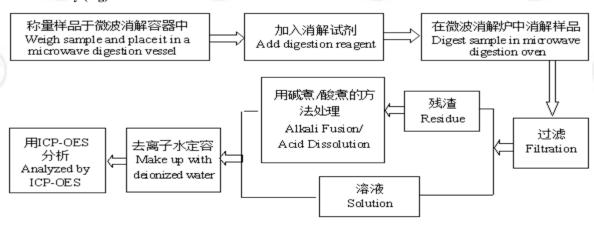
1. 铅(Pb),镉(Cd)

Lead (Pb), Cadmium (Cd)



2. 汞(Hg)

Mercury (Hg)





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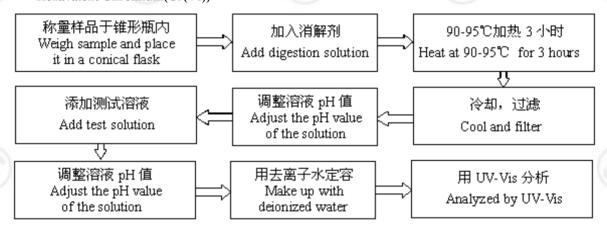


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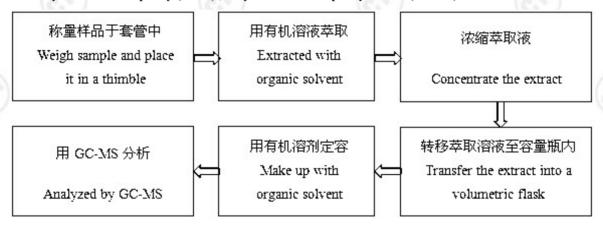
3. 六价铬(Cr(VI))

Hexavalent Chromium(Cr(VI))



4. 多溴联苯(PBBs), 多溴二苯醚(PBDEs)

Polybrominated Biphenyl (PBBs), Polybrominated Diphenyl Ethers (PBDEs)







检测报告

Test Report

报告编号 ECL01H008076010E Report No. ECL01H008076010E

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样品图片 Photo(s) of the sample(s)

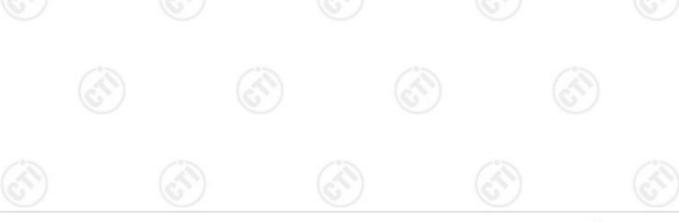


报告结束

*** End of report ***

检测报告无批准人签字及"报告专用章"无效,本报告检测结果仅对受测样品负责。未经CTI书面同意,不得部分复制本报告。

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Test Report No. SHAEC1501515501 Date: 29 Jan 2015 Page 1 of 9

BON MARK CO.,LTD

Risona Nakameguro Building 4F,3-2,3-Chome,Kamimeguro,Meguroku,Tokyo,153-0051,Japan

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

SGS Job No. : SP15-002541 - SUZ

Supplier: T&K TOKA BON MARK

Model No.: A Type

Date of Sample Received: 26 Jan 2015

Testing Period: 26 Jan 2015 - 29 Jan 2015

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).

Conclusion: Based on the performed tests on submitted sample(s), the results of Lead,

Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) comply with the limits as set by RoHS

Directive 2011/65/EU Annex II; recasting 2002/95/EC.

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Marry Ma

Approved Signatory



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Test Report Date: 29 Jan 2015 No. SHAEC1501515501 Page 2 of 9

Test Results:

Test Part Description:

Specimen No. SGS Sample ID Description White Mud SN₁ SHA15-015155.001

Remarks:

(1) 1 mg/kg = 0.0001%

(2) MDL = Method Detection Limit

(3) ND = Not Detected (< MDL)

(4) "-" = Not Regulated

RoHS Directive 2011/65/EU

Test Method: (1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.

(2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.

(3) With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.

(4) With reference to IEC 62321:2008, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.

(5) With reference to IEC 62321:2008, determination of PBBs and PBDEs by GC-MS.

Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	2	ND
Sum of PBBs	1000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND



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Test Report	No. SHAEC15015155	01	Date: 2	29 Jan 2015	Page 3 of 9
Test Item(s)	<u>Limit</u>	<u>Unit</u>	MDL	<u>001</u>	
Dibromodiphenyl ether	-	mg/kg	5	ND	
Tribromodiphenyl ether	-	mg/kg	5	ND	
Tetrabromodiphenyl ether	-	mg/kg	5	ND	
Pentabromodiphenyl ether	-	mg/kg	5	ND	
Hexabromodiphenyl ether	-	mg/kg	5	ND	
Heptabromodiphenyl ether	-	mg/kg	5	ND	
Octabromodiphenyl ether	-	mg/kg	5	ND	
Nonabromodiphenyl ether	-	mg/kg	5	ND	
Decabromodiphenyl ether	-	mg/kg	5	ND	

Notes:

(1) The maximum permissible limit is quoted from the directive 2011/65/EU, Annex II

<u>Halogen</u>

Test Method: With reference to EN 14582: 2007, analysis was performed by Ion Chromatograph (IC).

Test Item(s)	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Fluorine (F)	mg/kg	50	ND
Chlorine (CI)	mg/kg	50	ND
Bromine (Br)	mg/kg	50	ND
lodine (I)	mg/kg	50	ND

Hexabromocyclododecane (HBCDD)

Test Method: Determination of HBCDD by GC-MS based on IEC 62321:2008.

Test Item(s)	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Hexabromocyclododecane (HBCDD)	mg/kg	10	ND

Notes:

(1) Reference Information: Directive 2011/65/EU recasting RoHS directive 2002/95/EC: Hexabromocyclododecane (HBCDD) is considered as a priority for risk evaluation and substance restriction.



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Test Report Date: 29 Jan 2015 Page 4 of 9 No. SHAEC1501515501

Phthalates

Test Method: Determination of phthalates by GC-MS based on EN 14372:2004.

Test Item(s)	CAS NO.	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Dibutyl Phthalate (DBP)	84-74-2	%	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	%	0.003	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	%	0.003	ND

Notes:

(1) Reference Information: Directive 2011/65/EU recasting RoHS directive 2002/95/EC: Bis (2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP) and Dibutyl phthalate (DBP) are considered as a priority for risk evaluation and substance restriction.

Remark: Result shown is of the total weight of wet sample.



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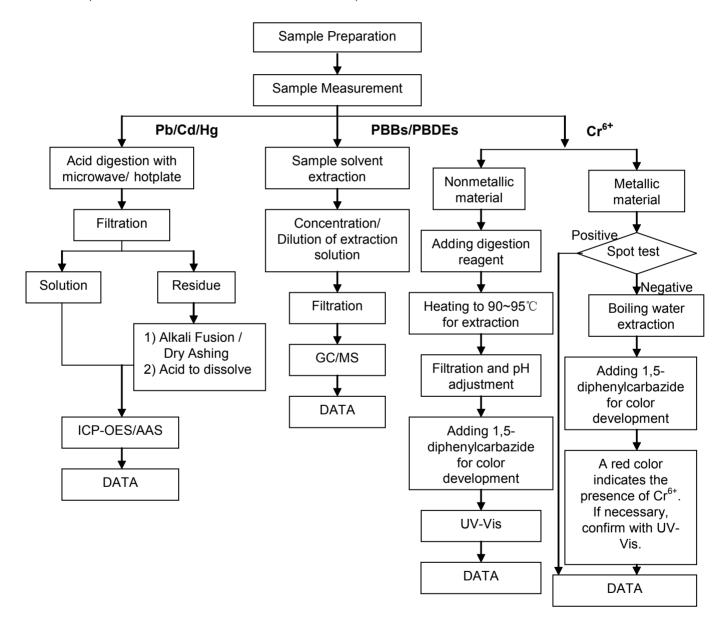


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ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Bob Zhang/Gary Xu/Stone Chen/Sunny Qin
- 2) Name of the person in charge of testing: Jan Shi/Summer Jin/Jessy Huang
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ and PBBs/PBDEs test method excluded)





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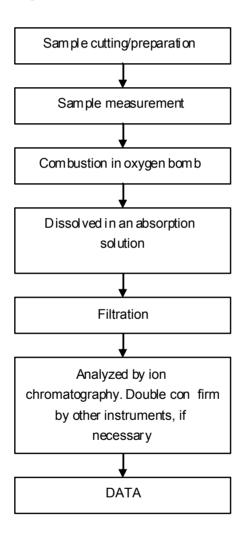
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Halogen Testing (oxygen bomb) Flow Chart

Name of the person who made testing: Sisily Yin
 Name of the person in charge of testing: Linda Li





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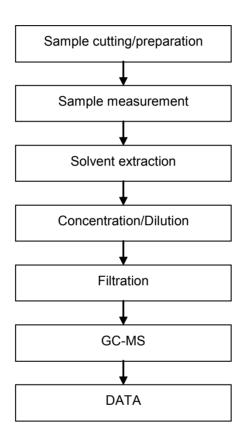
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Date: 29 Jan 2015

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HBCDD Testing Flow Chart

- 1) Name of the person who made testing: Gary Xu
- 2) Name of the person in charge of testing: Jessy Huang





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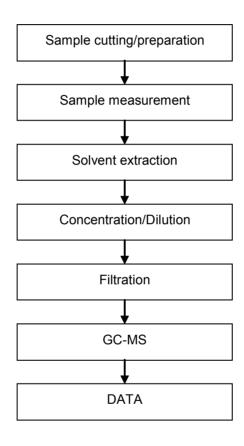
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Phthalates Testing Flow Chart

1) Name of the person who made testing: Sherlock Gao

2) Name of the person in charge of testing: Myra Ma





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