

# **Test Report**

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億光電子工業股份有限公司 EVERLIGHT ELECTRONICS CO., LTD.

新北市樹林區中華路6-8號

NO. 6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN

以下測試樣品係由客户送樣,且由客户聲稱並經客户確認如下 (The following samples was/were submitted and identified by/on behalf of the client as):

BASIC INFORMATION	
Type of Product	ARRAY LED (LAMP) SERIES
Supplier Company Name	EVERLIGHT
Address	NO.6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860,
	TAIWAN
Tel/Fax/Email	TEL:886-2685-6688 EXT:6619
	FAX:886-2685-6898
	E-MAIL: meelin@everlight.com
Contact Person	LIN HSIAO HUA
EVERLIGHT REPORT NO	EVERLIGHT-ARRAY LED (LAMP) SERIES, Sampling Product : A1793B
	/ SUR / S530-A3-SGS-10/01/2013
PRODUCT INFORMATION	
Product/component Sample description	LED ARRAY
Quantity (numbers or weight)	0.4089g
EVERLIGHT P/N	ARRAY LED (LAMP) SERIES, Sampling Product : A1793B / SUR /
	S530-A3
Product Lot No	ZS12121435
Country of Origin	CHINA
TEST INFORMATION	
Digital Photo(s) of sample(s) after being prepared	JPG EMBEDDED IN EACH REPORT
Sample preparation	CUTTING
Test Method	Cd , Pb , Hg , Cr(VI), PBB/PBDE - IEC 62321, Halogen-BS EN 14582
PQL and/or MDL	Cd , Pb , Hg: < 2 mg/kg; PBB/PBDE: < 5 mg/kg; Halogen: 50 mg/kg
Name of Analyzer	Cd , Pb , Hg, Cr(VI): Climbgreat Yang;
	PBB/PBDE: Roman Wong; Halogen: Rita Chen

收件日期(Sample Receiving Date) 2013/01/02

測試期間(Testing Period) 2013/01/02 TO 2013/01/10

\_\_\_\_\_\_

見下一頁 (Please refer to next pages).

Chenyu Kung Signed for and on SGS TAIWAN LTD.

Chemical Laboratory - Taipei

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台灣檢驗科技股份有限公司



## **Test Report**

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億光電子工業股份有限公司

EVERLIGHT ELECTRONICS CO., LTD.

新北市樹林區中華路6-8號

NO. 6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN

結論(Conclusion)

根據客户所提供的樣品,其多苯環芳香族化合物的測試結果符合德國ZLS的ZEK 01.4-08及其相關修訂文件中的第1類PAHs要求 (Base upon the performed tests by submitted samples, the test results of PAHs comply with the PAHs requirement according to (Category 1) of ZEK 01.4-08 of German ZLS and its amendments.)

### 測試結果(Test Results)

測試部位(PART NAME)No.1 紅色塑膠 (RED PLASTIC) 黑色塑膠 (BLACK PLASTIC) 測試部位(PART NAME)No.2

測試部位(PART NAME)No.3 銀色金屬接腳鍍層 (PLATING LAYER OF SILVER COLORED METAL PIN) 銀色金屬接腳底材 (BASE MATERIAL OF SILVER COLORED METAL PIN) 測試部位(PART NAME)No.4

測試項目	單位	測試方法	方法偵測 極限値	結	果(Resui	lt)
(Test Items)	(Unit)	(Method)	(MDL)	No.1	No.2	No.3
鎬 / Cadmium (Cd)	mg/kg	参考IEC 62321: 2008方法,以 感應耦合電漿原子發射光譜儀檢 測./With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.	n.d.	
		酸洗脱鍍層,參考IEC 62321: 2008方法,以感應耦合電漿原子 發射光譜儀檢測. / IEC 62321: 2008 application of modified digestion by surface etching and performed by ICP-AES.	2			n.d.



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NO. 6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN

測試項目	單位	測試方法	方法偵測 極限値	結	果(Resu	1 t )
(Test Items)	(Unit)	(Method)	(MDL)	No.1	No.2	No.3
鉛 / Lead (Pb)	mg/kg	mg/kg 参考IEC 62321: 2008方法,以 感應耦合電漿原子發射光譜儀檢 測. / With reference to IEC 62321: 2008 and performed by ICP-AES.		n.d.	n.d.	
	mg/kg	酸洗脱鍍層,參考IEC 62321: 2008方法,以感應耦合電漿原子 發射光譜儀檢測. / IEC 62321: 2008 application of modified digestion by surface etching and performed by ICP-AES.	2			31
汞 / Mercury (Hg)	mg/kg	參考IEC 62321: 2008方法,以 感應耦合電漿原子發射光譜儀檢 測. / With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.	n.d.	
	mg/kg	酸洗脱鍍層,參考IEC 62321: 2008方法,以感應耦合電漿原子 發射光譜儀檢測. / IEC 62321: 2008 application of modified digestion by surface etching and performed by ICP-AES.	2			n.d.
六價络 / 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.	n.d.	
	**	参考IEC 62321: 2008方法,以 沸水萃取法檢測. / With reference to IEC 62321: 2008 and performed by Boiling water extraction Method.#	#			Negative



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測試項目	單位	測試方法	方法偵測 極限値	結	果(Resui	lt)
(Test Items)	(Unit)	(Method)	(MDL)	No.1	No.2	No.3
绨 / Antimony (Sb)	mg/kg	参考US EPA 3050B方法,以感應 耦合電漿原子發射光譜儀檢測. / With reference to US EPA 3050B. Analysis was performed by ICP-AES.	2	n.d.	12	
全氟辛烷磺酸 / Perfluorooctane sulfonates (PFOS-Acid, Metal Salt, Amide)	mg/kg	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.		n.d.	n.d.	
全氟辛酸(銨)/ 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.	n.d.	
四溴雙酚-A / Tetrabromobisphenol A (TBBP-A) (CAS No.: 79-94-7)	mg/kg	参考Global SOP RSTS-E&E-121 方法,以液相層析/質譜儀分析. / With reference to Global SOP RSTS-E&E-121. Analysis was performed by LC/MS.		n.d.	n.d.	
六溴環十二烷 / Hexabromocyclododecane (HBCDD) (CAS No.: 25637-99-4)	mg/kg	参考US EPA 3540C方法,以氣相層析/質譜儀檢測./With reference to US EPA 3540C method. Analysis was performed by GC/MS.	5	n.d.	n.d.	

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NO. 6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN

測試項目	單位	測試方法	方法偵測 極限値	結	果(Resui	lt)
(Test Items)	(Unit)	(Method)	(MDL)	No.1	No.2	No.3
鄰苯二甲酸二丁酯 / DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	%		0.003	n.d.	n.d.	
鄰苯二甲酸甲苯基丁酯 / BBP (Benzyl butyl phthalate) (CAS No.: 85-68-7)	%		0.003	n.d.	n.d.	
鄰苯二甲酸二 (2-乙基己基)酯 / DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	%		0.003	n.d.	n.d.	
鄰苯二甲酸二正辛酯 / DNOP (Di-n- octyl phthalate) (CAS No.: 117-84-0)	%		0.003	n.d.	n.d.	
鄰苯二甲酸二異壬酯 / DINP (Di- isononyl phthalate) (CAS No.: 28553- 12-0)	%	參考EN 14372, 以氣相層析/質 譜儀檢測之. / With reference to EN 14372. Analysis was performed by GC/MS.	0.01	n.d.	n.d.	
鄰苯二甲酸二異癸酯 / DIDP (Di- isodecyl phthalate) (CAS No.: 26761- 40-0)	%		0.01	n.d.	n.d.	
鄰苯二甲酸二異丁酯 / DIBP (Di- isobutyl phthalate) (CAS No.: 84-69- 5)	%		0.003	n.d.	n.d.	
鄰苯二甲酸二己酯 / DNHP (Di-n-hexyl phthalate) (CAS No.: 84-75-3)	%		0.003	n.d.	n.d.	
鄰苯二甲酸二 (2-甲氧基乙基)酯 / DMEP (Bis (2-methoxyethyl) phthalate) (CAS No.: 117-82-8)	%		0.003	n.d.	n.d.	
鄰苯二甲酸二戊酯 / DPP (Di-pentyl phthalate) (CAS No.: 131-18-0)	%		0.003	n.d.	n.d.	



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測試項目					方法偵測 極限値	結果 (Result)		
(Test Items)	(Unit)	(Method)	(MDL)	No.1	No.2	No.3		
多溴聯苯總和 / Sum of PBBs	mg/kg		-	n.d.	n.d.			
一溴聯苯 / Monobromobiphenyl	mg/kg		5	n.d.	n.d.			
二溴聯苯 / Dibromobiphenyl	mg/kg		5	n.d.	n.d.			
三溴聯苯 / Tribromobiphenyl	mg/kg		5	n.d.	n.d.			
四溴聯苯 / Tetrabromobiphenyl	mg/kg		5	n.d.	n.d.			
五溴聯苯 / Pentabromobiphenyl	mg/kg		5	n.d.	n.d.			
六溴聯苯 / Hexabromobiphenyl	mg/kg		5	n.d.	n.d.			
七溴聯苯 / Heptabromobiphenyl	mg/kg		5	n.d.	n.d.			
八溴聯苯 / Octabromobiphenyl	mg/kg		5	n.d.	n.d.			
九溴聯苯 / Nonabromobiphenyl	mg/kg	参考IEC 62321: 2008方法,以	5	n.d.	n.d.			
十溴聯苯 / Decabromobiphenyl	mg/kg	氣相層析/質譜儀檢測. / With	5	n.d.	n.d.			
多溴聯苯醚總和 / Sum of PBDEs	mg/kg	reference to IEC 62321: 2008	-	n.d.	n.d.			
一溴聯苯醚 / Monobromodiphenyl ether	mg/kg	and performed by GC/MS.	5	n.d.	n.d.			
二溴聯苯醚 / Dibromodiphenyl ether	mg/kg		5	n.d.	n.d.			
三溴聯苯醚 / Tribromodiphenyl ether	mg/kg		5	n.d.	n.d.			
四溴聯苯醚 / Tetrabromodiphenyl ether	mg/kg		5	n.d.	n.d.			
五溴聯苯醚 / Pentabromodiphenyl ether	mg/kg		5	n.d.	n.d.			
六溴聯苯醚 / Hexabromodiphenyl ether	mg/kg		5	n.d.	n.d.			
七溴聯苯醚 / Heptabromodiphenyl ether	mg/kg		5	n.d.	n.d.			
八溴聯苯醚 / Octabromodiphenyl ether	mg/kg		5	n.d.	n.d.			
九溴聯苯醚 / Nonabromodiphenyl ether	mg/kg		5	n.d.	n.d.			
十溴聯苯醚 / Decabromodiphenyl ether	mg/kg		5	n.d.	n.d.			
鹵素 / Halogen								
鹵素 (氟) / Halogen-Fluorine (F)	mg/kg		50	n.d.	n.d.			
(CAS No.: 14762-94-8)		参考BS EN 14582:2007,以離子						
鹵素(氣)/ Halogen-Chlorine (C1) (CAS No.: 22537-15-1)	mg/kg	層析儀分析. / With reference to BS EN 14582:2007.	50	802	113			
鹵素(溴)/ Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg	Analysis was performed by	50	1670	n.d.			
鹵素 (碘) / Halogen-Iodine (I) (CAS No.: 14362-44-8)	mg/kg	IC.	50	n.d.	n.d.			

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NO. 6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN

測試項目	單位	測試方法	極限値			₹ (Result)	
(Test Items)	(Unit)	(Method)	(MDL)	No.1	No.2	No.3	
多苯環芳香族化合物 / Polynuclear Aromatic Hydrocarbons (PAHs)							
苊 / Acenaphthene (CAS No.: 83-32-9)	mg/kg		0.2	n.d.	n.d.		
苊烯 / Acenaphthylene (CAS No.: 208-96- 8)	mg/kg		0.2	n.d.	n.d.		
蒽 / Anthracene (CAS No.: 120-12-7)	mg/kg		0.2	n.d.	n.d.		
苯駢蒽 / Benzo[a]anthracene (CAS No.: 56-55-3)	mg/kg		0.2	n.d.	n.d.		
苯駢(a)芘 / Benzo[a]pyrene (CAS No.: 50-32-8)	mg/kg		0.2	n.d.	n.d.		
苯(b)苯駢芴 / Benzo[b]fluoranthene (CAS No.: 205-99-2)	mg/kg		0.2	n.d.	n.d.		
苯駢菲 / Benzo[g,h,i]perylene (CAS No.: 191-24-2)	mg/kg	参考ZLS standard ZEK 01.4-08	0.2	n.d.	n.d.		
苯(k)苯駢芴 / Benzo[k]fluoranthene (CAS No.: 207-08-9)	mg/kg		0.2	n.d.	n.d.		
Chrysene (CAS No.: 218-01-9)	mg/kg	方法,以氣相層析/質譜儀檢測. / With reference to ZLS	0.2	n.d.	n.d.		
二苯駢蒽 / Dibenzo(a,h)anthracene (CAS No.: 53-70-3)	mg/kg	standard ZEK 01.4-08 method.	0.2	n.d.	n.d.		
苯駢芴 / Fluoranthene (CAS No.: 206-44-0)	mg/kg	Analysis was performed by GC/MS.	0.2	n.d.	n.d.		
芴 / Fluorene (CAS No.: 86-73-7)	mg/kg		0.2	n.d.	n.d.		
茚酮芘 / Indeno[1,2,3-c,d] pyrene (CAS No.: 193-39-5)	mg/kg		0.2	n.d.	n.d.		
萘 / Naphthalene (CAS No.: 91-20-3)	mg/kg		0.2	n.d.	n.d.		
菲 / Phenanthrene (CAS No.: 85-01-8)	mg/kg		0.2	n.d.	n.d.		
芘 / Pyrene (CAS No.: 129-00-0)	mg/kg		0.2	n.d.	n.d.		
苯(j)苯駢芴 / Benzo[j]fluoranthene (CAS No.: 205-82-3)	mg/kg		0.2	n.d.	n.d.		
苯駢(e)芘 / Benzo[e]pyrene (CAS No.: 192-97-2)	mg/kg		0.2	n.d.	n.d.		
多苯環芳香族化合物18項總和 / Sum of 18 PAHs	mg/kg		-	n.d.	n.d.		



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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.4
鎬 / Cadmium (Cd)	mg/kg	參考IEC 62321: 2008方法,以 感應耦合電漿原子發射光譜儀檢	2	n.d.
鉛 / Lead (Pb)	mg/kg	測. / With reference to IEC	2	n.d.
汞 / Mercury (Hg)	mg/kg	62321: 2008 and performed by ICP-AES.	2	n.d.
六價絡 / Hexavalent Chromium Cr(VI)	**	參考IEC 62321: 2008方法,以 沸水萃取法檢測. / With reference to IEC 62321: 2008 and performed by Boiling water extraction Method.#	#	Negative

#### 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. "---" = Not Conducted (未測項目)
- 6. \*\*= Qualitative analysis (No Unit) 定性分析(無單位)
- 7. # = 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/m<sup>2</sup>。

(Outlawing PFOS as substances or preparations in concentrations above 0.001% (10ppm), in semifinished 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**

億光電子工業股份有限公司 EVERLIGHT ELECTRONICS CO., LTD.

新北市樹林區中華路6-8號

NO. 6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN

### PAHs 參考資料 (Reference information): 依據ZEK 01.4-08之要求: 產品中最大值為

(Requirement of ZEK 01.4-08: Restraining maximum values for products)

項目 (Parameter)	第1類 (Category 1)	第2類 (Category 2)	第3類 (Category 3)
, , , , , , , , , , , , , , , , , , , ,	意圖放入嘴内的材料或與 36個月以下的幼兒皮膚有 所接觸的玩具. (Material indented to be put in the mouth or	可預見與皮膚接觸逾30秒 (長期與皮膚接觸),以及 不屬於第1類的材料. (Materials not falling under category 1 with foreseeable contact to	可預見與皮膚接觸短於30 秒(短期與皮膚接觸),以 及不屬於第1類或第2類的 材料. (Materials not falling under category 1 or 2 with foreseeable contact to
	contact.)		seconds (short-term skin contact).)
苯駢(a)芘 Benzo[a]pyrene (mg/kg)	<mdl (<0.2)**<="" td=""><td>1</td><td>20</td></mdl>	1	20
18項PAH總濃度 (Sum of 18 PAH) (mg/kg)*	<mdl (<0.2)**<="" td=""><td>10</td><td>200</td></mdl>	10	200

#### 注意(Remark):

- \* = PAH濃度大於0.2mg/kg時,則須計算PAH總濃度值.
  - (Only PAH substances >0.2 mg/kg are taken into account while calculating the sum of PAHs.)
- \*\* = 最大濃度值超出等級一的限制,但在等級二的濃度限制值内時,可能需要確認測試材質是否適用於與食品或與 口腔黏膜接觸,並依照EN 1186 ff. and § 64 LFBG 80.30-1方法,針對特定PAH的遷移測試進行測試。遷移測試的 結論需依照食品規範評估。

(If the limits of category 1 are surpassed but the limits of category 2 still met, the confirmation of suitability of contact with foodstuff or the oral mucosa can be verified by an additional specific migration test of the PAH components according to EN 1186 ff. and § 64 LFBG 80.30-1. The results of the migration test shall be evaluated according to law criteria for foodstuff.)

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## **Test Report**

億光電子工業股份有限公司

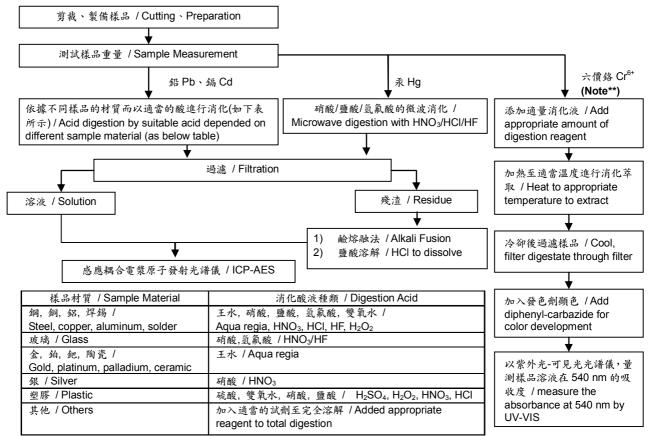
EVERLIGHT ELECTRONICS CO., LTD.

新北市樹林區中華路6-8號

NO. 6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN

測試部位(PART NAME)No.1, 2, 4

- 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. (Cr<sup>6+</sup> test method excluded)
- 測試人員:楊登偉 / Name of the person who made measurement: Climbgreat Yang
- 測試負責人:張啓興 / Name of the person in charge of measurement: Troy Chang



Note\*\*:(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

(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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億光電子工業股份有限公司

EVERLIGHT ELECTRONICS CO., LTD.

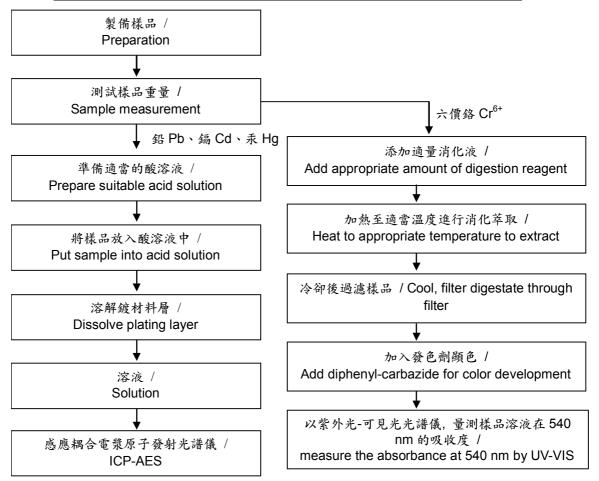
新北市樹林區中華路6-8號

NO. 6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN

測試部位(PART NAME)No.3

- 1) 根據以下的流程圖之條件,樣品之外部鍍層已完全溶解。( 六價鉻測試方法除外 ) / The plating layer of samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr<sup>6+</sup> 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

### 鍍層重金屬測試流程圖 / Flow Chart of Stripping method for metal analysis



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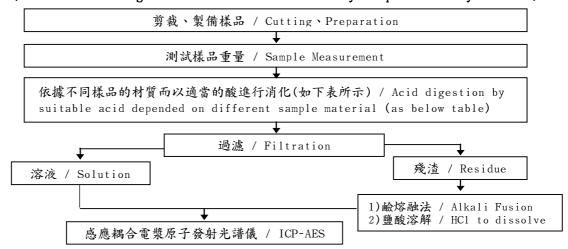
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NO. 6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN

- 1) 根據以下的流程圖之條件,樣品已完全溶解。 / These samples were dissolved totally by pre-conditioning method according to below flow chart.
- 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

### 元素以 ICP-AES 分析的消化流程圖

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



鋼,銅,鋁,焊錫 / Steel, copper, aluminum, solder	王水,硝酸,鹽酸,氫氟酸,雙氧水 /
	Aqua regia, HNO3, HC1, HF, H2O2
玻璃 / Glass	硝酸,氫氟酸 / HNO <sub>3</sub> /HF
金,鉑,鈀,陶瓷 / Gold, platinum, palladium, ceramic	王水 / Aqua regia
銀 / Silver	硝酸 / HNO3
塑膠 / Plastic	硫酸,雙氧水,硝酸,鹽酸 / H2SO4, H2O2, HNO3, HC1
其他 / Others	加入適當的試劑至完全溶解 / Added appropriate
	reagent to total digestion



## **Test Report**

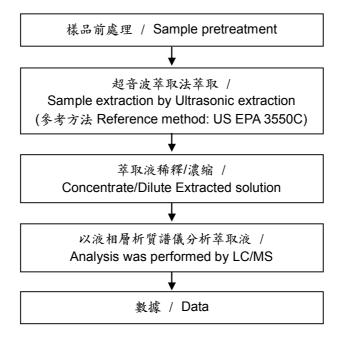
號碼(No.) : CE/2013/10043 日期(Date) : 2013/01/10 頁數(Page) : 13 of 22

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### 全氟辛酸(銨)/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





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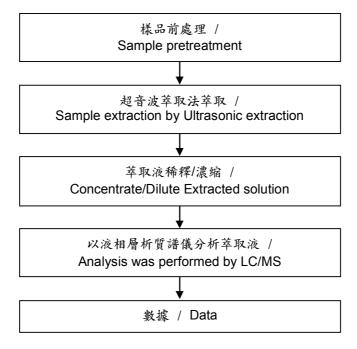
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### 四溴雙酚-A 分析流程圖 / TBBP-A analytical flow chart

- 測試人員:古遠丰 / Name of the person who made measurement: Scott Ku
- 測試負責人:張啓興 / Name of the person in charge of measurement: Troy Chang



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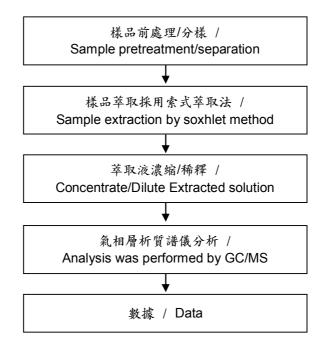
新北市樹林區中華路6-8號

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### 

### 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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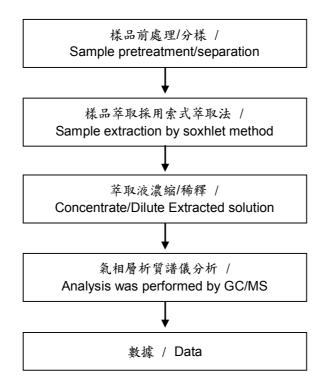
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### 

### 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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#### 

#### 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

初次測試程序 / First testing process -選擇性篩檢程序 / Optional screen process ■ 確認程序 / Confirmation process - · - · ▶

> Sample / 樣品 Sample pretreatment / 樣品前處理 Screen analysis / 初篩分析 Sample extraction 樣品萃取/ Soxhlet method 索式萃取法 Concentrate/Dilute Extracted solution 萃取液濃縮/稀釋 Filter / 萃取液過濾 Analysis by GC/MS / 氣相層析質譜儀分析 Issue Report 撰打報告



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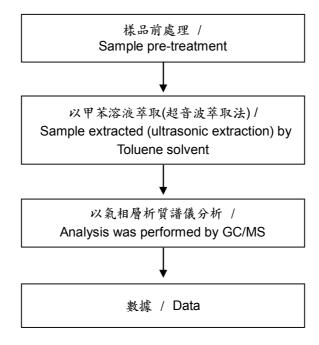
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### 多苯環芳香族化合物分析流程圖 / PAHs (Polynuclear Aromatic Hydrocarbons) analytical flow chart

- 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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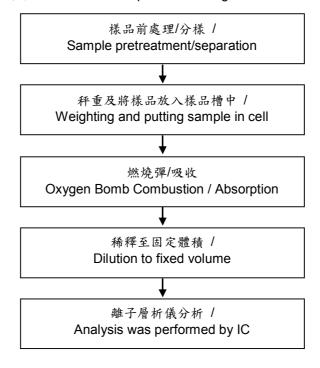
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NO. 6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN

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

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





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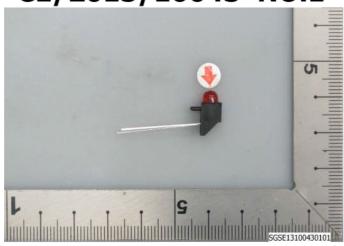
\* 照片中如有箭頭標示,則表示為實際檢測之樣品/部位. \*

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

CE/2013/10043



CE/2013/10043 NO.1



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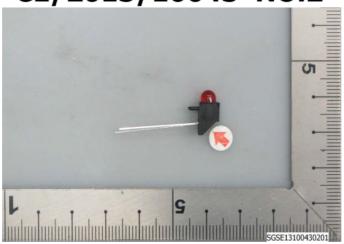
# **Test Report**

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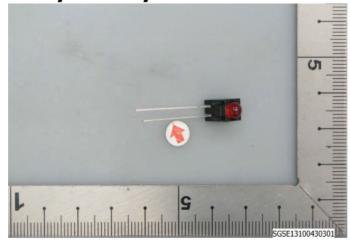
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CE/2013/10043 NO.3



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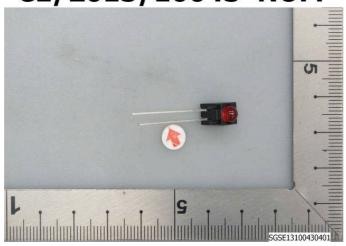
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新北市樹林區中華路6-8號

NO. 6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN

CE/2013/10043 NO.4



\*\* 報告結尾 (End of Report) \*\*

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