號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 1 of 43

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號 NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, 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):

樣品名稱(Sample Description) : TRANSIENT VOLTAGE SUPPRESSORS (T.V.S) SMD MULTILAYER 樣品型號(Style/Item No) : FULL SIZE (A SERIES, C SERIES, ESD SERIES, CH SERIES) 2009-01 收件日期(Sample Receiving Date) : 2009/1/8 測試期間(Testing Period) : 2009/1/8 TO 2009/1/14

測試結果(Test Results)

: 請見下一頁 (Please refer to next pages).

Chenyu Kung / Operation Manager Signed for and on behalf of SGS TAIWAN LTD. Chemical Laboratory – Taipei

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號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 2 of 43

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<u>測試結果(Test Results)</u>

測試部位(PART NAME) NO.1 : TRANSIENT VOLTAGE SUPPRESSORS (T.V.S) SMD MULTILAYER

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: 2008方法, 用感 應藕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.
鉛 / Lead (Pb)	mg/kg	參考IEC 62321: 2008方法, 用感 應藕合電漿原子發射光譜儀檢測. / With reference to IEC 62321: 2008 and performed by ICP-AES.	2	16
汞 / Mercury (Hg)	mg/kg	參考IEC 62321: 2008方法,用感 應藕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.
六價鉻 / Hexavalent Chromium Cr(VI) by alkaline extraction	mg/kg	參考IEC 62321: 2008方法, 用UV- VIS檢測. / With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.
全氟辛烷磺酸 / Perfluorooctane sulfonates (PFOS) PFOS — Acid PFOS — Metal Salt PFOS — Amide	mg/kg	參考US EPA 3540C: 1996方法,以 液相層析質譜儀檢測全氣辛烷磺酸 含量. / With reference to US EPA 3540C: 1996 method for PFOS Content. Analysis was performed by LC/MS.	10	n.d.
全氟辛酸(銨) / PFOA (CAS No.: 000335- 67-1)	mg/kg	參考US EPA 3540C: 1996方法,以 液相層析質譜儀檢測全氣辛酸(銨) 含量. / With reference to US EPA 3540C: 1996 method for PFOA Content. Analysis was performed by LC/MS.	10	n.d.

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測試報告 Test Report ^{立昌先進科技股份有限公司}

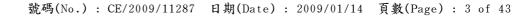
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NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

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
多氯聯苯 / Polychlorinated Biphenyls (PCBs) (CAS No.: 001336-36-3)	mg/kg	参考US EPA 3540C方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 3540C method. Analysis was performed by GC/MS.	0.5	n.d.
多氯奈 / Polychlorinated Naphthalene (PCNs)	mg/kg	参考US EPA 3540C方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 3540C method. Analysis was performed by GC/MS.	5	n.d.
多氯三聯苯 / Polychlorinated Terphenyls (PCTs)	mg/kg	参考US EPA 3540C方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 3540C method. Analysis was performed by GC/MS.	0.5	n.d.
氯化石蠟 / Chlorinated Paraffin (C10~C13) (CAS No.: 010871-26-2)	%	参考US EPA 3540C方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 3540C method. Analysis was performed by GC/MS.	0.01	n.d.
聚氯乙烯 / PVC	**	以紅外光譜分析及焰色法檢測. / Analysis was performed by FTIR and FLAME Test.	-	Negative
溴代甲烷 / Bromomethane (CAS No.: 000074-83-9)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
福馬林(甲醛)/ Formaldehyde (CAS No.: 000050-00-0)	mg/kg	參考DIN 53315方法,以高效液相 層析儀/二極體陣列偵測器檢測./ With reference to DIN 53315. Analysis was performed by HPLC/DAD.	3	n.d.

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號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 4 of 43

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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.1
單甲基二溴二苯基甲烷 / Monomethyl dibromodiphenyl methane (DBBT)	mg/kg	參考US EPA 8270D方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 8270D method. Analysis was performed by GC/MS.	0.5	n.d.
單甲基二氣二苯基甲烷 / Monomethyl dichlorodiphenyl methane (Ugilec121)	mg/kg	参考US EPA 8270D方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 8270D method. Analysis was performed by GC/MS.	0.5	n.d.
單甲基四氟二苯基甲烷 / Monomethyl tetrachlorodiphenyl methane (Ugilec141)	mg/kg	参考US EPA 8270D方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 8270D method. Analysis was performed by GC/MS.	0.5	n.d.
有機錫 / Organic-tin compounds				
三丁基錫 / Tributyl Tin (TBT) (CAS No.: 000688-73-3)	mg/kg	本測試參考DIN 38407-13方法,以 氣相層析儀/火焰光度偵測器檢測. / With reference to DIN 38407- 13. Analysis was performed by GC/FPD.	0.03	n.d.
三苯基錫 / Triphenyl Tin (TphT) (CAS No.: 000668-34-8)	mg/kg	本測試參考DIN 38407-13方法,以 氣相層析儀/火焰光度偵測器檢測. / With reference to DIN 38407- 13. Analysis was performed by GC/FPD.	0.03	n.d.

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海龍 (Halons)				
海龍(Halon)-1211 (CAS No.: 000353-59-3)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./ With	1	n.d.
		reference to US EPA 5021		
		method. Analysis was performed		
		by GC/MS.		
海龍(Halon)-1301	mg/kg	參考US EPA 5021方法,以氣相層	1	n.d.
(CAS No.: 000075-63-8)		析質譜儀(GC/MS)檢測. / With		
		reference to US EPA 5021		
		method. Analysis was performed		
		by GC/MS.		
海龍(Halon)-2402	mg/kg	參考US EPA 5021方法,以氣相層	1	n.d.
(CAS No.: 000124-73-2)		析質譜儀(GC/MS)檢測. / With		
		reference to US EPA 5021		
		method. Analysis was performed		
		by GC/MS.		
鹵素 / Halogen		参考BS EN 14582:2007, 以離子層		
		析儀分析氟,氯,溴,碘含量./		
		With reference to BS EN		
		14582:2007. Analysis was		
		performed by IC method for F,		
		Cl, Br, I content.		
鹵素 (氟) / Halogen-Fluorine (F) (CAS	mg/kg	參考BS EN 14582:2007, 以離子層	50	n.d.
No.: 014762-94-8)		析儀分析氟含量. / With		
		reference to BS EN 14582:2007.		
		Analysis was performed by IC		
		method for Fluorine content.		
鹵素 (氯) / Halogen-Chlorine (Cl) (CAS	mg/kg	參考BS EN 14582:2007, 以離子層	50	n.d.
No.: 022537-15-1)		析儀分析氣含量./With		
		reference to BS EN 14582:2007.		
		Analysis was performed by IC		
		method for Chlorine content.		

單位

(Unit)

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC.

桃園縣龜山鄉山鶯路340巷6號

測試項目

(Test Items)

NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

測試報告 **Test Report**

SG:

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 5 of 43

测試方法

(Method)

結果

(Result)

NO.1

方法偵測

極限值

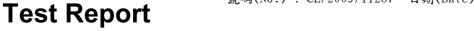
(MDL)

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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.1
鹵素(溴)/ Halogen-Bromine (Br) (CAS No.: 010097-32-2)	mg/kg	參考BS EN 14582:2007, 以離子層 析儀分析溴含量. / With reference to BS EN 14582:2007. Analysis was performed by IC method for Bromine content.	50	n.d.
鹵素(碘)/ Halogen-Iodine (I) (CAS No.: 014362-44-8)	mg/kg	參考BS EN 14582:2007, 以離子層 析儀分析碘含量. / With reference to BS EN 14582:2007. Analysis was performed by IC method for Iodine content.	50	n.d.
石棉 / Asbestos				
陽起石 / Actinolite (CAS No.: 013768- 00-8)	%	參考NIOSH 9000 / X光繞射定性分 析法 (XRD) / As per NIOSH 9000 method. Analysis was performed by XRD.	1	Negative
棕石棉 / Amosite (CAS No.: 012172-73- 5)	%	參考NIOSH 9000 / X光繞射定性分 析法 (XRD) / As per NIOSH 9000 method. Analysis was performed by XRD.	1	Negative
白石棉 / Chrysotile (CAS No.: 012001- 29-5)	%	參考NIOSH 9000 / X光繞射定性分 析法 (XRD) / As per NIOSH 9000 method. Analysis was performed by XRD.	1	Negative
青石棉 / Crocidolite (CAS No.: 012001- 28-4)	%	參考NIOSH 9000 / X光繞射定性分 析法 (XRD) / As per NIOSH 9000 method. Analysis was performed by XRD.	1	Negative
透閃石 / Tremolite (CAS No.: 014567- 73-8)	%	參考NIOSH 9000 / X光繞射定性分 析法 (XRD) / As per NIOSH 9000 method. Analysis was performed by XRD.	1	Negative

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號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 6 of 43

測試報告

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析法 (XRD) / As per NIOSH 9000 method. Analysis was performed by XRD.

單位

(Unit)

%

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 7 of 43

测試方法

(Method)

參考NIOSH 9000 / X光繞射定性分

測試報告 **Test Report**

017068 - 78 - 9)

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测試項目

(Test Items)

斜方角閃石 / Anthophyllite (CAS No.:

NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

多溴聯苯總和 / Sum of PBBs			-	n.d.
一溴聯苯 / Monobromobiphenyl			5	n.d.
二溴聯苯 / Dibromobiphenyl			5	n.d.
三溴聯苯 / Tribromobiphenyl			5	n.d.
四溴聯苯 / Tetrabromobiphenyl			5	n.d.
五溴聯苯 / Pentabromobiphenyl			5	n.d.
六溴聯苯 / Hexabromobiphenyl			5	n.d.
七溴聯苯 / Heptabromobiphenyl			5	n.d.
八溴聯苯 / Octabromobiphenyl		參考IEC 62321: 2008方法,以氣 相層析儀/質譜儀檢測./ With	5	n.d.
九溴聯苯 / Nonabromobiphenyl			5	n.d.
十溴聯苯 / Decabromobiphenyl	/1		5	n.d.
多溴聯苯醚總和 / Sum of PBDEs	mg/kg	reference to IEC 62321: 2008	-	n.d.
一溴聯苯醚 / Monobromodiphenyl ether		and performed by GC/MS.	5	n.d.
二溴聯苯醚 / Dibromodiphenyl ether			5	n.d.
三溴聯苯醚 / Tribromodiphenyl ether			5	n.d.
四溴聯苯醚 / Tetrabromodiphenyl ether			5	n.d.
五溴聯苯醚 / Pentabromodiphenyl ether			5	n.d.
六溴聯苯醚 / Hexabromodiphenyl ether			5	n.d.
七溴聯苯醚 / Heptabromodiphenyl ether			5	n.d.
八溴聯苯醚 / Octabromodiphenyl ether			5	n.d.
九溴聯苯醚 / Nonabromodiphenyl ether			5	n.d.
十溴聯苯醚 / Decabromodiphenyl ether			5	n.d.

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結果

(Result)

NO.1

Negative

方法偵測

極限值

(MDL)

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 8 of 43

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NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, 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
偶氮 (AZO)				
1): 4-氨基二苯 / 4-AMINODIPHENYL (CAS No.: 000092-67-1)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
2): 聯苯胺 / BENZIDINE (CAS No.: 00092-87-5)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
3): 4-氯鄰甲苯胺 / 4-CHLORO-O- TOLUIDINE (CAS No.: 000095-69-2)	mg/kg	本測試参考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
4): 2-萘 胺 / 2-NAPHTHYLAMINE (CAS No.: 000091-59-8)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
5): 鄰氨基二甲基偶氮 / O- AMINOAZOTOLUENE (CAS No.: 000097-56-3)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
6): 對硝基鄰甲苯胺 / 2-AMINO-4- NITROTOLUENE (CAS No.: 000099-55-8)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.

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測試報告

Test Report

結果

(Result)

NO.1

n.d.

n.d.

方法偵測

極限值

(MDL)

3

3

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		2. Analysis was performed by GC/MS.		
9): 4,4'-二氨基二苯甲烷 / 4,4'- DIAMINODIPHENYLMETHANE (CAS No.: 000101-77-9)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
10): 3,3'-二氯聯苯胺 / 3,3'- DICHLOROBENZIDINE (CAS No.: 000091-94- 1)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測. / With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
11): 3,3'-二甲氧基聯苯胺 / 3,3'- DIMETHOXYBENZIDINE (CAS No.: 000119- 90-4)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
12): 3,3'-二甲基聯苯胺 / 3,3'- DIMETHYLBENZIDINE (CAS No.: 000119-93- 7)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測. / With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.

GC/MS.

單位

(Unit)

mg/kg

mg/kg

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測試項目

(Test Items)

7): 對氯苯胺 / P-CHLOROANILINE (CAS

DIAMINOANISOLE (CAS No.: 000615-05-4)

8): 4-甲氧基-間苯二胺 / 2,4-

No.: 000106-47-8)

測試報告 **Test Report**

SG:

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 9 of 43

测試方法

(Method)

本測試參考LMBG 82.02-2方法, 以

本測試參考LMBG 82.02-2方法, 以

氣相層析質譜儀(GC/MS)檢測. / With reference to LMBG 82.02-

氣相層析質譜儀(GC/MS)檢測. / With reference to LMBG 82.02-2. Analysis was performed by

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(Test Items)	(Unit)	(method)	(MDL)	NO.1
13): 3,3'-二甲基-4,4'-二氨基二苯甲烷 / 3,3'-DIMETHYL-4,4'- DIAMINODIPHENYLMETHANE (CAS No.: 000838-88-0)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測. / With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
14): 2-甲氧基-5-甲基聯苯 / P-CRESIDINE (2-METHOXY-5-METHYLANILINE) (CAS No.: 000120-71-8)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測. / With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
15): 4,4'-亞甲基雙(氯苯胺)/ 4,4'- METHYLENE-BIS- (2-CHLOROANILINE) (CAS No.: 000101-14-4)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
16): 4,4'-氧化雙苯胺 / 4,4'- OXYDIANILINE (CAS No.: 000101-80-4)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
17): 4,4'-硫代雙苯胺 / 4,4'- THIODIANILINE (CAS No.: 000139-65-1)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
18): 鄰甲苯胺 / O-TOLUIDINE (CAS No.: 000095-53-4)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測. / With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.

單位

(Unit)

Test Report

測試報告

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 10 of 43

测試方法

(Method)

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC.

測試項目

(Test Items)

桃園縣龜山鄉山鶯路340巷6號

NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

SG

結果

(Result)

方法偵測

極限值

TOLUYLENEDIAMINE (CAS No.: 000095-80-7)		氣相層析質譜儀(GC/MS)檢測. / With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.		
20): 2,4,5-三甲基苯胺 / 2,4,5- TRIMETHYLANILINE (CAS No.: 000137-17- 7)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
21): 鄰位甲氧基苯胺 / O-ANISIDINE (CAS No.: 000090-04-0)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
22): 對氨基偶氮苯 / P-AMINOAZOBENZENE (CAS No.: 000060-09-3)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測. / With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
23): 2,4-二甲基苯胺 / 2,4-XYLIDINE (CAS No.: 000095-68-1)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測./ With reference to LMBG 82.02- 2. Analysis was performed by GC/MS.	3	n.d.
24): 2,6-二甲基苯胺 / 2,6-XYLIDINE (CAS No.: 000087-62-7)	mg/kg	本測試參考LMBG 82.02-2方法,以 氣相層析質譜儀(GC/MS)檢測. / With reference to LMBG 82.02- 2. Analysis was performed by	3	n.d.

GC/MS.

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單位

(Unit)

mg/kg

Test Report

SG

SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號

測試項目

(Test Items)

19): 2,4-二氨基甲苯 / 2,4-

NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

測試報告

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 11 of 43

测試方法

(Method)

本測試參考LMBG 82.02-2方法, 以



結果

(Result)

NO.1

n.d.

方法偵測

極限值

(MDL)

3

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號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 12 of 43

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號

NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, 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	
氟氯碳化物 / CFCs (Chlorofluorocarbons)					
Group I					
氟氯碳化物(Chlorofluorocarbon)-11 (CAS No.: 000075-69-4)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.	
氟氯碳化物(Chlorofluorocarbon)-12 (CAS No.: 000075-71-8)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.	
氟氯碳化物(Chlorofluorocarbon)-113 (CAS No.: 000076-13-1)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.	
氟氯碳化物(Chlorofluorocarbon)-114 (CAS No.: 000076-14-2)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.	
氟氯碳化物(Chlorofluorocarbon)-115 (CAS No.: 000076-15-3)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.	

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測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	がなしれ 極限値 (MDL)	。 (Result) NO.1	
Group III					
氟氯碳化物(Chlorofluorocarbon)-13 (CAS No.: 000075-72-9)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.	
氟氯碳化物(Chlorofluorocarbon)-111 (CAS No.: 000354-56-3)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.	
氟氯碳化物(Chlorofluorocarbon)-112 (CAS No.: 000076-12-0)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.	
氟氟碳化物(Chlorofluorocarbon)-211 (CAS No.: 000422-78-6)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.	
氟氯碳化物(Chlorofluorocarbon)-212 (CAS No.: 003182-26-1)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.	
氟氯碳化物(Chlorofluorocarbon)-213 (CAS No.: 002354-06-5)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.	

測試報告 **Test Report**

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 13 of 43

测試方法

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號

NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

SG

結果

方法偵測

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(Test Items) (Unit) (Method) 氟氯碳化物(Chlorofluorocarbon)-214 參考US EPA 5021方法,以氣相層 mg/kg 析質譜儀(GC/MS)檢測. / With (CAS No.: 029255-31-0)

單位

测試方法

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 14 of 43 **Test Report** 立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC.

桃園縣龜山鄉山鶯路340巷6號

测試項目

NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

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by GC/MS.

reference to US EPA 5021 method. Analysis was performed

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測試報告

		reference to US EPA 5021 method. Analysis was performed by GC/MS.		
氟氯碳化物(Chlorofluorocarbon)-215 (CAS No.: 004259-43-2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯碳化物(Chlorofluorocarbon)-216 (CAS No.: 000661-97-2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯碳化物(Chlorofluorocarbon)-217 (CAS No.: 000422-86-6)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氢碳化物 / HCFCs (Hydrochlorofluorocarbons)				
氟氯氢碳化物(Hydrochlorofluorocarbon)- 21 (CAS No.: 000075-43-4)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 22 (CAS No.: 000075-45-6)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./ With	1	n.d.

結果

(Result)

NO.1

n.d.

方法偵測

極限值

(MDL)

51 (CAS NO.: 000595-70-4)		か員審議(GC/MS)被例, / with reference to US EPA 5021 method. Analysis was performed by GC/MS.		
氟氯氫碳化物(Hydrochlorofluorocarbon)- 121 (CAS No.: 000354-14-3)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 122 (CAS No.: 000354-21-2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氢碳化物(Hydrochlorofluorocarbon)- 123 (CAS No.: 000306-83-2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氢碳化物(Hydrochlorofluorocarbon)- 124 (CAS No.: 002837-89-0)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 131 (CAS No.: 000359-28-4)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

單位

(Unit)

mg/kg

Test Report 立昌先進科技股份有限公司

测試項目

(Test Items)

氟氯氫碳化物(Hydrochlorofluorocarbon)-

31 (CAS No.: 000593-70-4)

立邑先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號 NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

號碼(No.) : CE/2009/11287 日期(Date) : 2009/01/14 頁數(Page) : 15 of 43

测試方法

(Method)

參考US EPA 5021方法,以氣相層

析質譜儀(GC/MS)檢測. / With

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測試報告

結果

(Result)

NO.1

n.d.

方法偵測

極限值

(MDL)

測試報告 Test Report ^{立昌先進科技股份有限公司}

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 16 of 43

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號 NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, 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
氟氯氫碳化物(Hydrochlorofluorocarbon)- 132a (CAS No.: 000471-43-2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 133a (CAS No.: 000075-88-7)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 141b (CAS No.: 001717-00-6)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氢碳化物(Hydrochlorofluorocarbon)- 221 (CAS No.: 000422-26-4)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氢碳化物(Hydrochlorofluorocarbon)- 222 (CAS No.: 000422-30-0)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 223	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

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單位

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 17 of 43

测試方法

方法偵測

極限值

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號 NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

測試項目

(Test Items)	(Unit)	(Method)	極限加 (MDL)	NO.1
氟氯氫碳化物(Hydrochlorofluorocarbon)- 224	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氢碳化物(Hydrochlorofluorocarbon)- 225ca (CAS No.: 000422-56-0)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 225cb (CAS No.: 000507-55-1)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氢碳化物(Hydrochlorofluorocarbon)- 226 (CAS No.: 000431-87-8)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 231	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 232	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

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結果

(Result)

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號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 18 of 43

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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.1
氟氯氫碳化物(Hydrochlorofluorocarbon)- 233	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 234	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 235 (CAS No.: 013838-16-9)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 241	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 242	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氢碳化物(Hydrochlorofluorocarbon)- 243 (CAS No.: 000338-75-0)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

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測試報告 Test Report ^{立昌先進科技股份有限公司}

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 19 of 43

立吕先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號 NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, 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
氟氯氫碳化物(Hydrochlorofluorocarbon)- 244	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 251	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氫碳化物(Hydrochlorofluorocarbon)- 252	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氯氢碳化物(Hydrochlorofluorocarbon)- 253 (CAS No.: 000354-06-1)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氟氫碳化物(Hydrochlorofluorocarbon)- 261 (CAS No.: 000420-97-3)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氟氟氢碳化物(Hydrochlorofluorocarbon)- 262 (CAS No.: 000420-99-5)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

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271		析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.		
不完全鹵化氯溴化物 / HBFCs (Hydrobromofluorocarbons)				
不完全鹵化氟溴化物(HBFC)-21B2(CHFBr2) (CAS No.: 0018685-53-7)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-22B1 (CHF2Br) (CAS No.: 001511-62-2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-31B1 (CH2FBr) (CAS No.: 000373-52-4)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-121B4 (C2HFBr4)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-122B3 (C2HF2Br3)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

單位

(Unit)

mg/kg

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號 NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

 Test Report

 立昌先進科技股份有限公司

 SFI ELECTRONICS TECHNOLOGY INC.

测試項目

(Test Items)

氟氯氫碳化物(Hydrochlorofluorocarbon)-

號碼(No.) : CE/2009/11287 日期(Date) : 2009/01/14 頁數(Page) : 20 of 43

测試方法

(Method)

參考US EPA 5021方法,以氣相層



測試報告

結果

(Result)

NO.1

n.d.

方法偵測

極限值

(MDL)

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(Test Items)	(Unit)	(Method)	(MDL)	NO.1
不完全鹵化氟溴化物(HBFC)-123B2 (C2HF3Br2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-124B1 (C2HF4Br)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-131B3 (C2H2FBr3)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-132B2 (C2H2F2Br2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-133B1 (C2H2F3Br)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-141B2 (C2H3FBr2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

單位

(Unit)

測試報告 **Test Report**

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 21 of 43

测試方法

(Method)

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號

測試項目

(Test Items)

NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

SG

結果

(Result)

方法偵測

極限值

1

method. Analysis was performed by GC/MS. 參考US EPA 5021方法,以氣相層 不完全鹵化氟溴化物(HBFC)-151B1 1 mg/kg (C2H4FBr) 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS. 不完全鹵化氟溴化物(HBFC)-221B6 mg/kg 參考US EPA 5021方法,以氣相層 1 (C3HFBr6) 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS. 參考US EPA 5021方法,以氣相層 不完全鹵化氟溴化物(HBFC)-222B5 1 mg/kg (C3HF2Br5) 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS. 不完全鹵化氟溴化物(HBFC)-223B4 參考US EPA 5021方法,以氣相層 mg/kg 1 (C3HF3Br4) 析質譜儀(GC/MS)檢測. / With

mg/kg

單位

(Unit)

mg/kg

Test Report 立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號

測試項目

(Test Items)

不完全鹵化氟溴化物(HBFC)-142B1

不完全鹵化氟溴化物(HBFC)-224B3

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(C3HF4Br3)

NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

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by GC/MS.

by GC/MS.

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测試方法

(Method)

參考US EPA 5021方法,以氣相層

析質譜儀(GC/MS)檢測. / With reference to US EPA 5021

reference to US EPA 5021

method. Analysis was performed

參考US EPA 5021方法,以氣相層

method. Analysis was performed

析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 方法偵測

極限值

(MDL)

1

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測試報告

(C2H3F2Br)

結果

(Result)

NO.1

n.d.

n.d.

n.d.

n.d.

n.d.

n.d.

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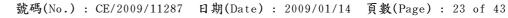
NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

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
不完全鹵化氟溴化物(HBFC)-225B2 (C3HF5Br2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-226B1 (C3HF6Br)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-231B5 (C3H2FBr5)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-232B4 (C3H2F2Br4)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-233B3 (C3H2F3Br3)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-234B2 (C3H2F4Br2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

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				NO.1
不完全鹵化氟溴化物(HBFC)-235B1 (C3H2F5Br)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-241B4 (C3H3FBr4)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-242B3 (C3H3F2Br3)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-243B2 (C3H3F3Br2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-244B1 (C3H3F4Br)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-251B3 (C3H4FBr3)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

單位

(Unit)

測試報告 **Test Report**

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 24 of 43

测試方法

(Method)

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號

测試項目

(Test Items)

NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN



結果

(Result)

NO.1

方法偵測

極限值

(MDL)

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				NO.I
不完全鹵化氟溴化物(HBFC)-252B2 (C3H4F2Br2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-253B1 (C3H4F3Br)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-261B2 (C3H5FBr2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-262B1 (C3H5F2Br)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
不完全鹵化氟溴化物(HBFC)-271B1 (C3H6FBr)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

單位

(Unit)

測試報告 Test Report

號碼(No.) : CE/2009/11287 日期(Date) : 2009/01/14 頁數(Page) : 25 of 43

测試方法

(Method)

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號

测試項目

(Test Items)

NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN



結果

(Result)

NO.1

方法偵測

極限值

(MDL)

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 26 of 43

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號 NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, 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
氯化碳氫化物 / CHCs (Chlorinate hydrocarbon)				
1,1,1,2-四氯乙烷 / 1,1,1,2- Tetrachloroethane (CAS No.: 000630-20- 6)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
1,1,1-三氯乙烷 / 1,1,1-Trichloroethane (CAS No.: 000071-55-6)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
1,1,2,2-四氣乙烷 / 1,1,2,2- Tetrachloroethane (CAS No.: 000079-34- 5)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
1,1,2-三氣乙烷 / 1,1,2-Trichloroethane (CAS No.: 000079-00-5)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
1,1-二氣乙烷 / 1,1-Dichloroethane (CAS No.: 000075-34-3)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
1,1-二氣乙烯 / 1,1-Dichloroethene (CAS No.: 000075-35-4)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

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測試報告 Test Report ^{立昌先進科技股份有限公司}

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號 NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

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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.1
1,1-二氯丙烯 / 1,1-Dichloropropene (CAS No.: 000563-58-6)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
1,2,3-三氯丙烷 / 1,2,3- Trichloropropane (CAS No.: 000096-19- 5)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
1,2-二氯乙烷 / 1,2-Dichloroethane (CAS No.: 000107-06-2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
1,2-二氯丙烷 / 1,2-Dichloropropane (CAS No.: 000078-87-5)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
1,3-二氯丙烷 / 1,3-Dichloropropane (CAS No.: 000142-28-9)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./ With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
2,2-二氯丙烷 / 2,2-Dichloropropane (CAS No.: 000594-20-7)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

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號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 27 of 43

古法伯测

AL 10

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 28 of 43

测試方法

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測試項目

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	極限値 (MDL)	(Result) NO.1
四氯甲烷(四氯化碳) / Carbon tetrachloride (CAS No.: 000056-23-5)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氯乙烷 / Chloroethane (CAS No.: 000075-00-3)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氯仿 / Chloroform (CAS No.: 000067-66- 3)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氯甲烷 / Chloromethane (CAS No.: 000074-87-3)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
順-1,2-二氯乙烯 / cis-1,2- Dichloroethene (CAS No.: 000156-59-2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
順-1,3-二氯丙烯 / cis-1,3- Dichloropropene (CAS No.: 010061-01-5)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

單位

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結果

方法偵測

測試報告 **Test Report** 立昌先進科技股份有限公司

SG

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 29 of 43

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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.1
六氯丁二烯 / Hexachlorobutadiene (CAS No.: 000087-68-3)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
二氯甲烷 / Methylene Chloride (CAS No.: 000075-09-2)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
四氯乙烯 / Tetrachloroethene (CAS No.: 000127-18-4)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
反-1,2-二氣乙烯 / trans-1,2- Dichloroethene (CAS No.: 000156-60-5)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
反-1,3-二氣丙烯 / trans-1,3- Dichloropropene (CAS No.: 010061-02-6)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
三氯乙烯 / Trichloroethylene (CAS No.: 000079-01-6)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

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ref	erence	to	US	EF



رTest Items)	平位 (Unit)	(Method)	7
氫氟碳化物 / HFC (Hydrofluorocarbon)			
氫氟碳化物(HFC)-23 (CHF3)CAS No.: 000075-46-7)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	
氫氟碳化物(HFC)-32 (CH2F2)(CAS No.: 000075-10-5)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	
氫氟碳化物(HFC)-41 (CH3F)(CAS No.: 000593-53-3)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./ With reference to US EPA 5021	

mg/kg

mg/kg

mg/kg

單位

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號

测試項目

氫氟碳化物(HFC)-43-10mee (C5H2F10)

氫氟碳化物(HFC)-125 (C2HF5)

氫氟碳化物(HFC)-134 (C2H2F4)

NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

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by GC/MS.

by GC/MS.

by GC/MS.

by GC/MS.

Taiwan I to

测試方法

method. Analysis was performed

參考US EPA 5021方法,以氣相層

method. Analysis was performed

參考US EPA 5021方法,以氣相層

method. Analysis was performed

參考US EPA 5021方法,以氣相層

method. Analysis was performed

析質譜儀(GC/MS)檢測. / With reference to US EPA 5021

析質譜儀(GC/MS)檢測. / With reference to US EPA 5021

析質譜儀(GC/MS)檢測. / With reference to US EPA 5021

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 30 of 43

方法偵測

極限值

(MDL)

1

1

1

1

1

1

SG

測試報告

Test Report

結果

(Result)

NO.1

n.d.

n.d.

n.d.

n.d.

n.d.

n.d.

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號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 31 of 43

立昌先進科技股份有限公司 SFI ELECTRONICS TECHNOLOGY INC. 桃園縣龜山鄉山鶯路340巷6號 NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, 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
氫氟碳化物(HFC)-134a (CH2FCF3)(CAS No.: 000811-97-2)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氫氟碳化物(HFC)-143 (CH3F3)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氫氟碳化物(HFC)-143a (CH3F3)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氫氟碳化物(HFC)-152a (C2H4F2)(CAS No.: 000075-37-6)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氫氟碳化物(HFC)-227ea (C3HF7)(CAS No.: 000431-89-0)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
氫氟碳化物(HFC)-236fa (C3H2F6)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

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1

(Test Items)	(Unit)	(Method)	極限値 (MDL)
氫氟碳化物(HFC)-236ea (C3H2F6)(CAS No.: 000431-63-0)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./ With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1
氫氟碳化物(HFC)-245ca (C3H3F5)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1
氫氟碳化物(HFC)-245fa (C3H3F5)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1
氫氟碳化物(HFC)-365mfc (C4H5F5)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method.Analysis was performed by GC/MS.	1
全氯碳化物 / PFCs (Perfluorocarbon)			
四氟甲烷 / F14 (CAS No.: 000075-73-0)	mg/kg	參考US EPA 5021方法,以氣相層	1

mg/kg

單位

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測試項目

NO. 6, LANE 340, SHAN-YING ROAD, GUISHAN, TAO YUAN, TAIWAN

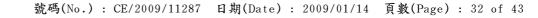
by GC/MS.

by GC/MS.

SGS Taiwan I to 台灣檢驗科技股份有限公司 Chemical-Taipei 33 WuChyuan Road, Wuku Industrial Zone, Taipei County, Taiwan /台北縣五股工業區五權路33號 t + 886 (02)2299 3279 f + 886 (02)2299 3273 www.sgs.com

000076 - 16 - 4)

六氟乙烷 / Fluorocarbon 116 (CAS No.:



测試方法

析質譜儀(GC/MS)檢測. / With reference to US EPA 5021

method. Analysis was performed

參考US EPA 5021方法,以氣相層

method. Analysis was performed

析質譜儀(GC/MS)檢測. / With reference to US EPA 5021

SGS	

測試報告

Test Report

結果

(Result)

NO.1n.d.

n.d.

n.d.

n.d.

n.d.

n.d.

方法偵測

極限值

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號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 33 of 43

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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.1
八氟丙烷 / Freon 218 (CAS No.: 000076- 19-7)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
十氟丁烷 / Decafluorobutane (CAS No.: 000355-25-9)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
八氟環丁烷 / Freon C318 (CAS No.: 000115-25-3)	mg/kg	参考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
全氟-1-丁烯 / Perfluor-1-butene (CAS No.: 000357-26-6)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
全氟異丁烯 / perfluorisobutene (CAS No.: 000357-26-6)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測./With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.
1,4-二氫八氟丁烷 / 1,4- dihydrooctafluorobutane (CAS No.: 000377-36-6)	mg/kg	參考US EPA 5021方法,以氣相層 析質譜儀(GC/MS)檢測. / With reference to US EPA 5021 method. Analysis was performed by GC/MS.	1	n.d.

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8. 若為氯化石蠟中單一化合物,則偵測極限為5ppm (The MDL is 5ppm for the single compound of CP)

6. Negative = Undetectable 陰性(未偵測到); Positive = Detectable 陽性(已偵測到)

reference to US EPA 5021

by GC/MS.

method. Analysis was performed

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備註(Note):

1. mg/kg = ppm; 0.1wt% = 1000ppm 2. n.d. = Not Detected (未檢出)

4. "-" = Not Regulated (無規格値)

3. MDL = Method Detection Limit (方法偵測極限值)

5. **= Qualitative analysis (No Unit) 定性分析(無單位)

7. Negative = 陰性 (< 1.0 %), Positive = 陽性 (> 1.0 %)

方法偵測 测試項目 單位 测試方法 極限值 (Result) (Test Items) (Unit) (Method) (MDL) 參考US EPA 5021方法,以氣相層 2-全氟甲基丁烷 / nonafluor-2mg/kg 1 (trifluoromethyl)butane (CAS No.: 析質譜儀(GC/MS)檢測. / With 000594 - 91 - 2)reference to US EPA 5021 method. Analysis was performed by GC/MS. 全氟戊烷 / perfluoro-n-pentane (CAS 參考US EPA 5021方法,以氣相層 mg/kg 1 析質譜儀(GC/MS)檢測. / With No.: 000678-26-2) reference to US EPA 5021 method. Analysis was performed by GC/MS. 2-全氟甲基戊烷 / 2-參考US EPA 5021方法,以氣相層 1 mg/kg perfluoromethylpentane (CAS No.: 析質譜儀(GC/MS)檢測. / With 000355 - 04 - 4) reference to US EPA 5021 method. Analysis was performed by GC/MS. 全氟己烷 / perfluorohexane (CAS No.: mg/kg 參考US EPA 5021方法,以氣相層 1 000355 - 42 - 0) 析質譜儀(GC/MS)檢測. / With

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號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 34 of 43



測試報告

結果

NO.1

n.d.

n.d.

n.d.

n.d.

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PFOS参考資訊(Reference Information): 指令 2006/122/EC (Directive 2006/122/EC)

- (1) 該物質不可置於市場上或使用於特殊物質或配置成分重量濃度等於或大於0.005%. (May not be placed on the market or used as a substance or constituent of preparations in a concentration equal to or higher than 0.005 % by mass.)
- (2) 該物質不可置於市場上的半成品或商品或其物件; 假若零件上明顯地具有PFOS並參照結構上及微細構造上計算 PFOS重量濃度等於或大於0.1%,而紡織品或其他覆蓋物質,如果PFOS在覆蓋物質中含量等於或大於1ug/m². (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 lug/m^2 of the coated material.)

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 35 of 43

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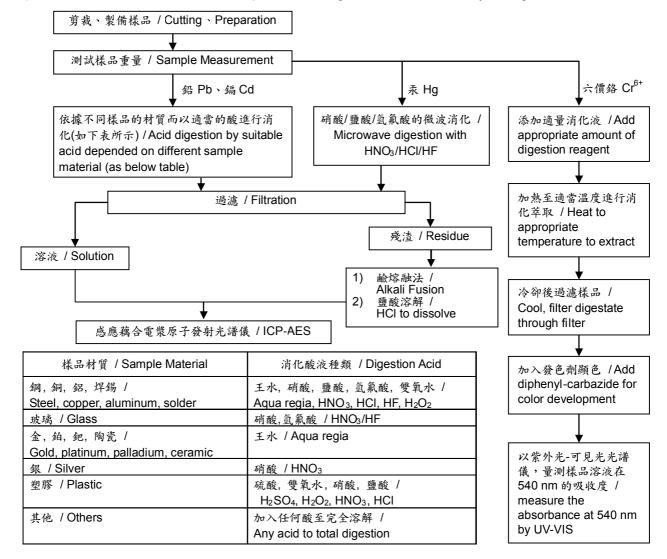
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> 1) 根據以下的流程圖之條件,樣品已完全溶解。(六價鉻測試方法除外) / These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr^{6+} test method excluded)

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 36 of 43

- 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





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Test Report

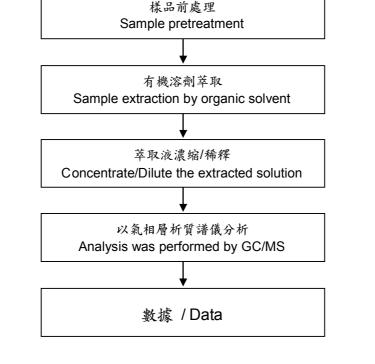
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含氯阻燃劑分析流程 /Chlorinated Flame retardant analytical flow chart

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 37 of 43

- 1) 測試人員: 劉桓易 / Name of the person who made measurement: Max Liu
- 2) 測試負責人:陳新智 / Name of the person in charge of measurement: Shinjyh Chen
- 參考方法(Reference method): US EPA 8270D, US EPA 3540
- 測試項目(Test Items): PCBs, PCNs, PCTs, Mirex, CP, MCCP / 多氯聯苯, 多氯奈, 多氯三聯苯, 滅蟻靈, 氯化石蠟, 中鏈氯化石蠟



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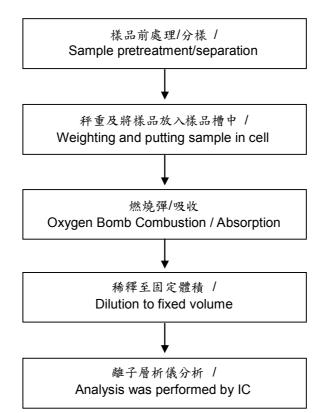
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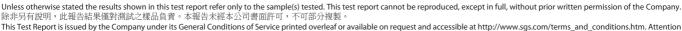
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鹵素分析流程圖 / Analytical flow chart of halogen content

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 38 of 43

- 1) 測試人員:陳立倫 / Name of the person who made measurement: Alan Chen
- 2) 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

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

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 39 of 43

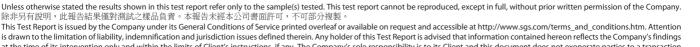
1) 測試人員: 翁賜彬 / Name of the person who made measurement: Roman Wong

2) 測試負責人:陳新智 / Name of the person in charge of measurement: Shinjyh Chen

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 _._ ▶



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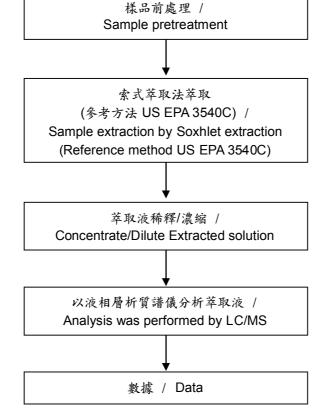
號碼(No.) : CE/2009/11287 日期(Date) : 2009/01/14 頁數(Page) : 40 of 43

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全氟辛酸(銨)/全氟辛烷磺酸分析流程圖/ Analytical flow chart of PFOA/PFOS content

- 1) 測試人員:劉家瑗 / Name of the person who made measurement: Carrie Liu
- 2) 測試負責人: 陳新智 / Name of the person in charge of measurement: Shinjyh Chen







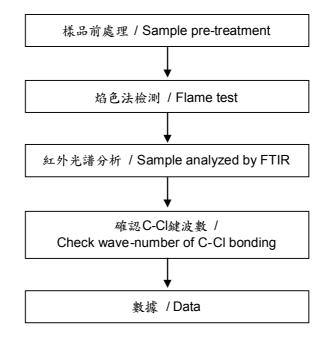
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Test Report

聚氯乙烯物質判定分析流程圖 /

Analysis flow chart for determination of PVC in material

- 1) 测試人員: 趙婉愉 / Name of the person who made measurement: Eva Chao
- 2) 测試負責人:陳新智 / Name of the person in charge of measurement: Shinjyh Chen



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號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 41 of 43 **Test Report**

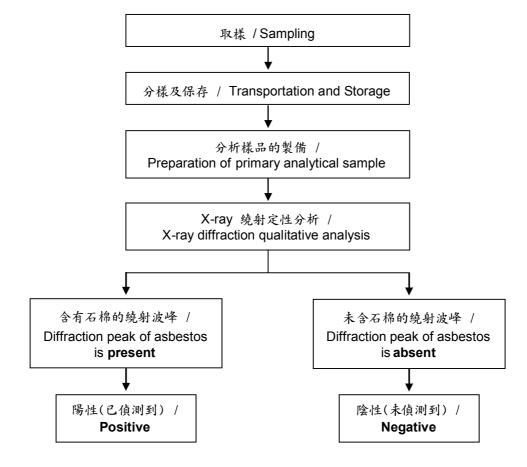


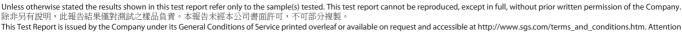
石棉物質判定分析流程圖 /

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 42 of 43

Analysis flow chart for determination of Asbestos

- 1) 測試人員:高鍵忠 / Name of the person who made measurement: Victor Kao
- 2) 測試負責人: 盧義龍 / Name of the person in charge of measurement: James Lu





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Test Report

測試報告

號碼(No.): CE/2009/11287 日期(Date): 2009/01/14 頁數(Page): 43 of 43

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