

測試報告 Test Report

號碼(No.): CE/2007/95060

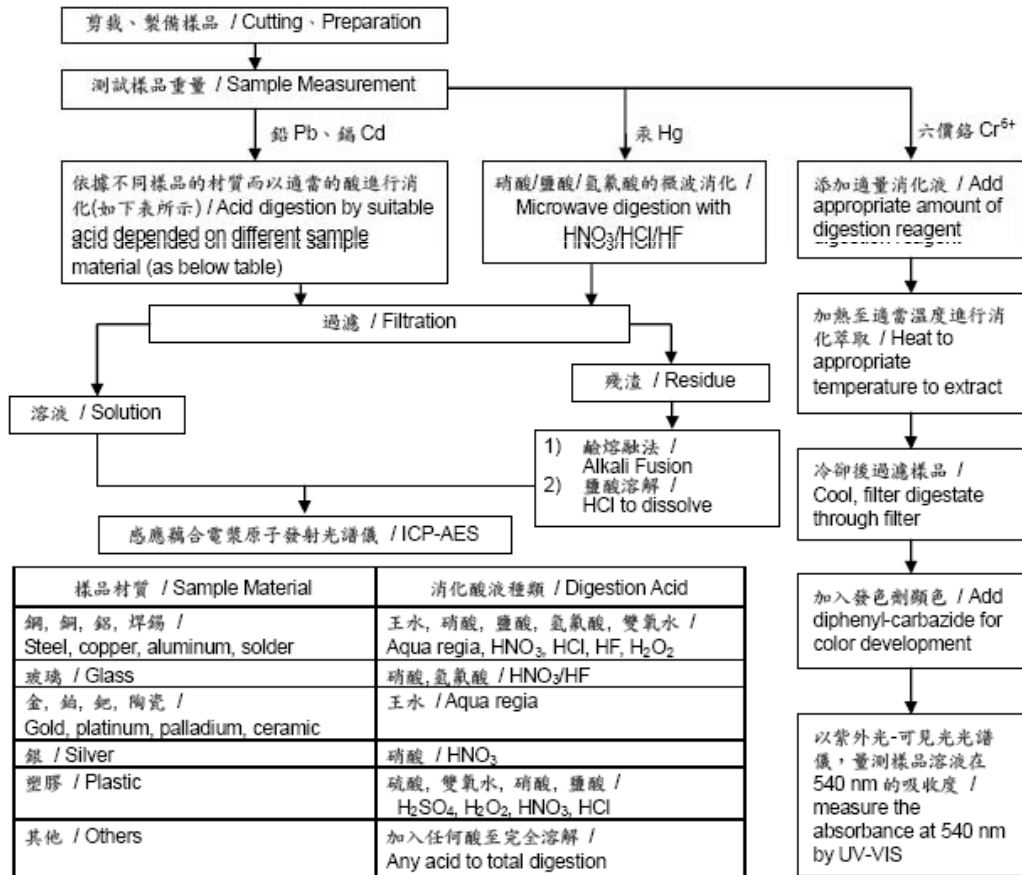
日期(Date): 2007/10/02

頁數(Page): 4 of 6

新泰仲科技股份有限公司
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8, MING LUNG RD., YANG MEI JEN, TAO YUAN, TAIWAN 326, R. O. C.



- 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：張啓興 / Name of the person who made measurement: Troy Chang
- 3) 測試負責人：龔振裕 / Name of the person in charge of measurement: Chenyu Kung



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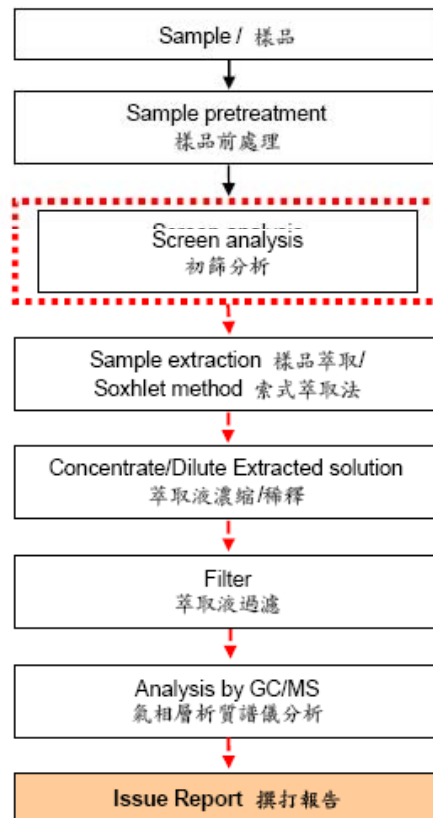


多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

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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測試報告 Test Report

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

樣品名稱(Sample Description) : 磷青銅 (PHOSPHOR BRONZE)
收件日期(Sample Receiving Date) : 2007/09/26
測試期間(Testing Period) : 2007/09/26 TO 2007/10/02

測試需求(Test Requested) : 參照 RoHS 2002/95/EC 及其修定指令要求。(In accordance with the RoHS Directive 2002/95/EC, and its amendment directives).

測試方法(Test Method) : 參考 IEC 62321, Ed. 1 111/54/CDV 方法檢測。(With reference to IEC 62321, Ed.1 111/54/CDV. Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products).
(1) 用感應耦合電漿原子發射光譜儀檢測鎘含量。 / Determination of Cadmium by ICP-AES.
(2) 用感應耦合電漿原子發射光譜儀檢測鉛含量。 / Determination of Lead by ICP-AES.
(3) 用感應耦合電漿原子發射光譜儀檢測汞含量。 / Determination of Mercury by ICP-AES.
(4) 針對金屬材質之樣品，用 Spot test / Colorimetric 方法檢測六價鉻含量。 / Determination of Hexavalent Chromium for metallic samples by Spot test / Colorimetric Method.
(5) 以氣相層析儀/質譜儀檢測多溴聯苯和多溴聯苯醚含量。 / Determination of PBB and PBDE by GC/MS.

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

結論(Conclusion) : 根據客戶所提供樣品的測試結果，符合 RoHS(2002/95/EC) 及其修定指令之要求 (Based on the performed tests on submitted samples, the test results are compliant with the limits of RoHS Directive 2002/95/EC and its subsequent amendments).

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

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測試結果(Test Results) 單位(Unit): mg/kg

測試項目 (Test Items)	測試方法 Method (Refer to)	結果 (Result)	方法偵測 極限值 (MDL)	RoHS 限值 (Limit)
		No.1		
鎘 / Cadmium (Cd)	(1)	n.d.	2	100
鉛 / Lead (Pb)	(2)	22	2	1000
汞 / Mercury (Hg)	(3)	n.d.	2	1000
六價鉻 / Hexavalent Chromium Cr(VI) by Spot test / boiling water extraction	(4)	Negative	See Note 5	#
多溴聯苯總和 / Sum of PBBs	(5)	n.d.	-	1000
一溴聯苯 / Monobromobiphenyl		n.d.	5	-
二溴聯苯 / Dibromobiphenyl		n.d.	5	-
三溴聯苯 / Tribromobiphenyl		n.d.	5	-
四溴聯苯 / Tetrabromobiphenyl		n.d.	5	-
五溴聯苯 / Pentabromobiphenyl		n.d.	5	-
六溴聯苯 / Hexabromobiphenyl		n.d.	5	-
七溴聯苯 / Heptabromobiphenyl		n.d.	5	-
八溴聯苯 / Octabromobiphenyl		n.d.	5	-
九溴聯苯 / Nonabromobiphenyl		n.d.	5	-
十溴聯苯 / Decabromobiphenyl		n.d.	5	-
多溴聯苯醚總和 (一至九溴) / Sum of PBDEs (Mono to Nona) (Note 4)		n.d.	-	1000
一溴聯苯醚 / Monobromobiphenyl ether		n.d.	5	-
二溴聯苯醚 / Dibromobiphenyl ether		n.d.	5	-
三溴聯苯醚 / Tribromobiphenyl ether		n.d.	5	-
四溴聯苯醚 / Tetrabromobiphenyl ether		n.d.	5	-
五溴聯苯醚 / Pentabromobiphenyl ether		n.d.	5	-
六溴聯苯醚 / Hexabromobiphenyl ether		n.d.	5	-
七溴聯苯醚 / Heptabromobiphenyl ether		n.d.	5	-
八溴聯苯醚 / Octabromobiphenyl ether		n.d.	5	-
九溴聯苯醚 / Nonabromobiphenyl ether	n.d.	5	-	
十溴聯苯醚 / Decabromobiphenyl ether	n.d.	5	-	
多溴聯苯醚總和 (一至十溴) / Sum of PBDEs (Mono to Deca)	n.d.	-	-	

測試部位描述 (TEST PART DESCRIPTION):

NO.1 : 金色金屬 (COPPER COLORED METAL)

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備註(Note):

1. mg/kg = ppm
2. n.d. = Not Detected (未檢出)
3. MDL = Method Detection Limit (方法偵測極限值)
4. 根據2005年10月13日歐盟會議公佈2005/717/EC, 修訂2002/95/EC內容, 通過解除高分子材質中十溴聯苯醚之使用限制。(According to 2005/717/EC DecaBDE is exempt.)
5. Spot-test:
Negative = Absence of Cr(VI) coating / surface layer(鍍層中偵測不到六價鉻).
Positive = Presence of Cr(VI) coating / surface layer(鍍層中偵測到六價鉻);
The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.
(當該測項無法確認時, 測試樣品可藉由boiling-water-extraction測試方法進一步確認)
Boiling-water-extraction:
Negative = Absence of Cr(VI) coating / surface layer(鍍層中偵測不到六價鉻).
Positive = Presence of Cr(VI) coating / surface layer(鍍層中偵測到六價鉻);
the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.
該溶液濃度 \geq 0.02 mg/kg with 50 cm² (sample surface area)
6. # = Positive indicates the presence of Cr(VI) on the tested areas and result be regarded as not comply with RoHS requirement. (Positive表示測試區域之六價鉻不符合RoHS要求)
Negative indicates the absence of Cr(VI) on the tested areas and result be regarded as comply with RoHS requirement. (Negative表示測試區域之六價鉻符合RoHS要求)
7. "-" = Not Regulated (無規格值)

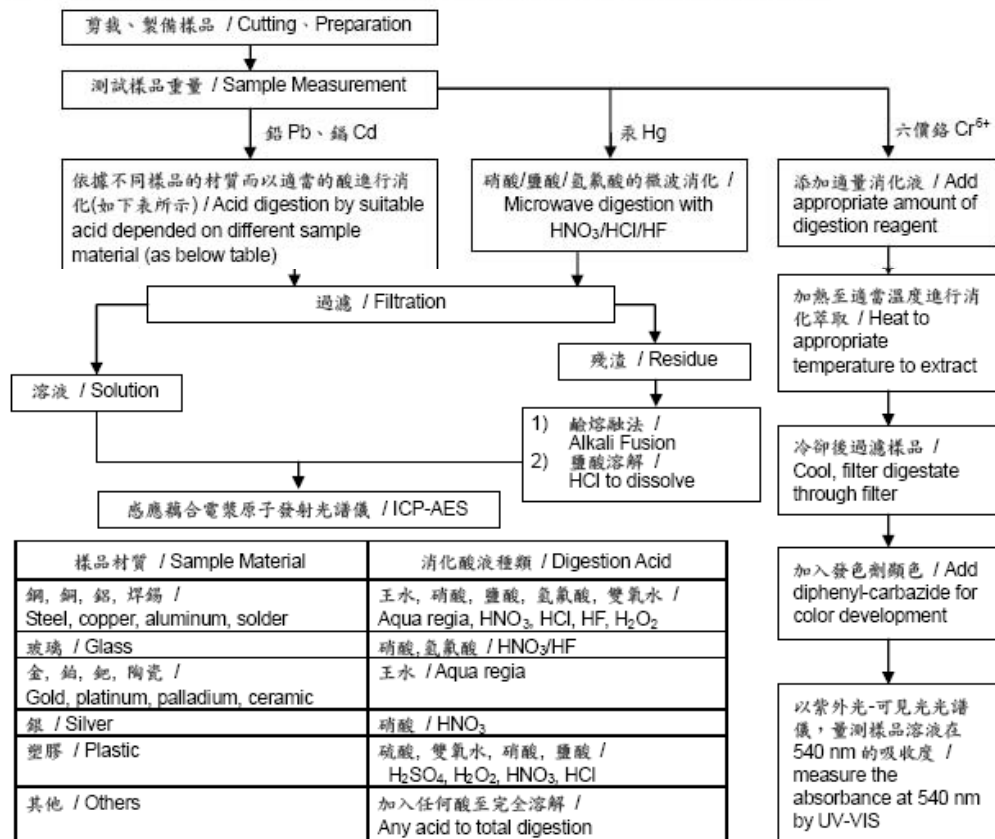
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- 1) 根據以下的流程圖之條件，樣品已完全溶解。(六價鉻測試方法除外) / These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) 測試人員：張啓興 / Name of the person who made measurement: Troy Chang
- 3) 測試負責人：龔振裕 / Name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



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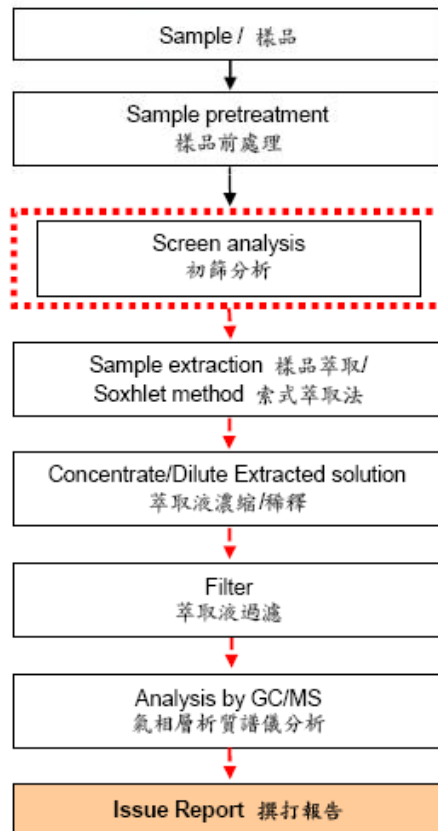


多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

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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** 報告結尾 **

測試報告

號碼：KA/2007/C1150A-01 日期：2007/12/14 頁數：1 of 4

台灣聚合化學品股份有限公司
台北縣林口鄉湖南村頭湖89號



以下測試樣品係由客戶送樣，且由客戶聲稱並經客戶確認如下：

樣品名稱：高密度聚乙烯(HDPE)
樣品型號：LH606;LH606-13;LH901;LH523;LH503;LH520;LH608
LH506;LH614;LH514;LH501H;LH502C;LH612;LH5508;LH4108;LH5620;LH6208
樣品顏色：白色
收件日期：2007/12/11
測試期間：2007/12/11 TO 2007/12/14

=====
測試需求：參照 RoHS 2002/95/EC 及其修定指令要求

測試方法：
(1) 參考IEC 62321 Ed. 1 (111/54/CDV)方法，用感應耦合電漿原子發射光譜儀(ICP-AES)檢測鎘含量。
(2) 參考IEC 62321 Ed. 1 (111/54/CDV)方法，用感應耦合電漿原子發射光譜儀(ICP-AES)檢測鉛含量。
(3) 參考IEC 62321 Ed. 1 (111/54/CDV)方法，用感應耦合電漿原子發射光譜儀(ICP-AES)檢測汞含量。
(4) 針對非金屬材質之樣品，參考IEC 62321 Ed. 1 (111/54/CDV)方法，用UV-VIS檢測六價鉻含量。
(5) 參考IEC 62321 Ed. 1 (111/54/CDV)方法，以氣相層析儀/質譜儀(GC/MS)檢測多溴聯苯和多溴聯苯醚含量。

測試結果：請見下一頁。

結論：根據客戶所提供樣品的測試結果，符合RoHS(2002/95/EC)及其修定指令之要求。


何奇璦 / 主任

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號碼：KA/2007/C1150A-01 日期：2007/12/14 頁數：2 of 4

台灣聚合化學品股份有限公司
台北縣林口鄉湖南村頭湖89號



測試結果 (單位: mg/kg)

測試項目	測試方法 (請參考)	結果	方法偵測 極限值	RoHS 限值
		NO.1		
鎘	(1)	n.d.	2	100
鉛	(2)	n.d.	2	1000
汞	(3)	n.d.	2	1000
六價鉻 (Alkaline extraction)	(4)	n.d.	2	1000
多溴聯苯總和(PBBs)	(5)	n.d.	-	1000
一溴聯苯		n.d.	5	-
二溴聯苯		n.d.	5	-
三溴聯苯		n.d.	5	-
四溴聯苯		n.d.	5	-
五溴聯苯		n.d.	5	-
六溴聯苯		n.d.	5	-
七溴聯苯		n.d.	5	-
八溴聯苯		n.d.	5	-
九溴聯苯		n.d.	5	-
十溴聯苯		n.d.	5	-
多溴聯苯醚總和(PBDEs)(一至九溴) (備註 4)		n.d.	-	1000
一溴聯苯醚		n.d.	5	-
二溴聯苯醚		n.d.	5	-
三溴聯苯醚		n.d.	5	-
四溴聯苯醚		n.d.	5	-
五溴聯苯醚		n.d.	5	-
六溴聯苯醚		n.d.	5	-
七溴聯苯醚		n.d.	5	-
八溴聯苯醚		n.d.	5	-
九溴聯苯醚	n.d.	5	-	
十溴聯苯醚	n.d.	5	-	
多溴聯苯醚總和(PBDEs)(一至十溴)	n.d.	-	-	

測試部位描述:

NO.1

: HIGH DENSUTY POLYETHYLENE RESIN(HDEP)

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台灣聚合化學品股份有限公司
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- 備註：1. mg/kg = ppm
2. n.d. = Not Detected / 未檢出
3. MDL = Method Detection Limit / 方法偵測極限值
4. 根據2005年10月13日歐盟會議公佈2005/717/EC，修訂2002/95/EC內容，通過解除
高分子材質中十溴聯苯醚之使用限制。
5. " - " = Not Regulated / 無規格值

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** 報告結尾 **

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TW5948545

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測試報告 Test Report

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萬泰科技股份有限公司
WONDERFUL HI-TECH CO., LTD.
桃園縣中壢市北園路17號
NO. 17, PEI-YUAN ROAD, CHUNG-LI IND. PARK, TAOYUAN, TAIWAN, R. O. C.



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

樣品名稱(Sample Description) : RF COAXIAL CABLE, RG-178B/U, RG-179/U, RG-316/U, MINI 0.8MM & 1.13MM & 1.32MM & 1.37MM & 1.48MM, RF405A
樣品型號(Style/Item No.) : BLACK、BROWN、ORANGE、BLUE、GRAY、WHITE
收件日期(Sample Receiving) : 2007/12/26
測試期間(Testing Period) : 2007/12/26 TO 2008/1/3

=====
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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測試結果(Test Results)

- 測試部位(PART NAME) NO.1 : 銀色金屬線鍍層 (PLATING LAYER OF SILVER COLORED METAL WIRE)
- 測試部位(PART NAME) NO.2 : 半透明塑膠粒 (TRANSLUCENT PLASTIC PELLETS)
- 測試部位(PART NAME) NO.3 : 銀色金屬線底材 (BASE MATERIAL OF SILVER COLORED METAL WIRE)
- 測試部位(PART NAME) NO.4 : 黑色塑膠外被 (BLACK PLASTIC JACKET)
- 測試部位(PART NAME) NO.5 : 咖啡色塑膠外被 (BROWN PLASTIC JACKET)
- 測試部位(PART NAME) NO.6 : 橘色塑膠外被 (ORANGE PLASTIC JACKET)
- 測試部位(PART NAME) NO.7 : 藍色塑膠外被 (BLUE PLASTIC JACKET)
- 測試部位(PART NAME) NO.8 : 灰色塑膠外被 (GRAY PLASTIC JACKET)
- 測試部位(PART NAME) NO.9 : 白色塑膠外被 (WHITE PLASTIC JACKET)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)		
				NO.1	NO.2	NO.3
鎘 / Cadmium (Cd)	mg/kg	參考 IEC 62321, Ed. 1 111/54/CDV 方法, 用感應耦合電 漿原子發射光譜儀 (ICP-AES) 檢 測鎘含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Cadmium by ICP-AES.	2	n.d.	n.d.	n.d.
鉛 / Lead (Pb)	mg/kg	參考 IEC 62321, Ed. 1 111/54/CDV 方法, 用感應耦合電 漿原子發射光譜儀 (ICP-AES) 檢 測鉛含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Lead by ICP- AES.	2	6	n.d.	n.d.
汞 / Mercury (Hg)	mg/kg	參考 IEC 62321, Ed. 1 111/54/CDV 方法, 用感應耦合電 漿原子發射光譜儀 (ICP-AES) 檢 測汞含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Mercury by ICP-AES.	2	n.d.	n.d.	n.d.

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NO. 17, PEI-YUAN ROAD, CHUNG-LI IND. PARK, TAOYUAN, TAIWAN, R. O. C.



測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)		
				NO.1	NO.2	NO.3
六價鉻 / Hexavalent Chromium Cr(VI) by Spot test / boiling water extraction	**	針對金屬材質之樣品, 參考IEC 62321, Ed. 1 111/54/CDV方法檢 測, 用Spot test / Colorimetric方法檢測六價鉻含 量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Hexavalent Chromium for metallic samples by Spot test / Colorimetric Method.	0.02mg/kg with 50 cm ² surface area	Negative	---	Negative
六價鉻 / Hexavalent Chromium Cr(VI) by alkaline extraction	mg/kg	針對非金屬材質之樣品, 參考IEC 62321, Ed. 1 111/54/CDV 方法 檢測, 用UV-VIS檢測六價鉻含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Hexavalent Chromium for non-metallic samples by UV/Vis Spectrometry.	2	---	n.d.	---
多溴聯苯總和 / Sum of PBBs	mg/kg	參考IEC 62321, Ed. 1 111/54/CDV方法, 以氣相層析儀/ 質譜儀檢測多溴聯苯和多溴聯苯 醚含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of PBB and PBDE by GC/MS.	-	---	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			5	---	n.d.	---
九溴聯苯 / Nonabromobiphenyl			5	---	n.d.	---
十溴聯苯 / Decabromobiphenyl	5	---	n.d.	---		

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測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)		
				NO.1	NO.2	NO.3
多溴聯苯醚總和 (一至九溴) / Sum of PBDEs (Mono to Nona) (Note 4)	mg/kg	參考 IEC 62321, Ed. 1 111/54/CDV方法, 以氣相層析儀/ 質譜儀檢測多溴聯苯和多溴聯苯 醚含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of PBB and PBDE by GC/MS.	-	---	n.d.	---
一溴聯苯醚 / Monobromobiphenyl ether			5	---	n.d.	---
二溴聯苯醚 / Dibromobiphenyl ether			5	---	n.d.	---
三溴聯苯醚 / Tribromobiphenyl ether			5	---	n.d.	---
四溴聯苯醚 / Tetrabromobiphenyl ether			5	---	n.d.	---
五溴聯苯醚 / Pentabromobiphenyl ether			5	---	n.d.	---
六溴聯苯醚 / Hexabromobiphenyl ether			5	---	n.d.	---
七溴聯苯醚 / Heptabromobiphenyl ether			5	---	n.d.	---
八溴聯苯醚 / Octabromobiphenyl ether			5	---	n.d.	---
九溴聯苯醚 / Nonabromobiphenyl ether			5	---	n.d.	---
十溴聯苯醚 / Decabromobiphenyl ether			5	---	n.d.	---
多溴聯苯醚總和 (一至十溴) / Sum of PBDEs (Mono to Deca)			-	---	n.d.	---

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測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)		
				NO.4	NO.5	NO.6
鎘 / Cadmium (Cd)	mg/kg	參考 IEC 62321, Ed. 1 111/54/CDV 方法, 用感應耦合電 漿原子發射光譜儀 (ICP-AES) 檢 測鎘含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Cadmium by ICP-AES.	2	n.d.	n.d.	n.d.
鉛 / Lead (Pb)	mg/kg	參考 IEC 62321, Ed. 1 111/54/CDV 方法, 用感應耦合電 漿原子發射光譜儀 (ICP-AES) 檢 測鉛含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Lead by ICP- AES.	2	n.d.	n.d.	n.d.
汞 / Mercury (Hg)	mg/kg	參考 IEC 62321, Ed. 1 111/54/CDV 方法, 用感應耦合電 漿原子發射光譜儀 (ICP-AES) 檢 測汞含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Mercury by ICP-AES.	2	n.d.	n.d.	n.d.
六價鉻 / Hexavalent Chromium Cr(VI) by alkaline extraction	mg/kg	針對非金屬材質之樣品, 參考 IEC 62321, Ed. 1 111/54/CDV 方法 檢測, 用 UV-VIS 檢測六價鉻含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Hexavalent Chromium for non-metallic samples by UV/Vis Spectrometry.	2	n.d.	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 極限值 (MDL)	結果 (Result)		
				NO.4	NO.5	NO.6
全氟辛酸(銨) / PFOA	mg/kg	2005,39,3904-3910 環境科學技術期刊, 全氟辛酸類化合物於選定的消費性產品之曝露評估與風險描述分析儀器為LC/MS. / With reference to Environ. Sci. Technol.2005,39,3904-3910 Exposure Assessment and Risk Characterization for Perfluorooctanoate in Selected Consumer Articles. Analysis was performed by LC/MS.	1	n.d.	---	---
全氟辛磺酸 / PFOS	mg/kg	2005,39,3904-3910 環境科學技術期刊, 全氟辛酸類化合物於選定的消費性產品之曝露評估與風險描述分析儀器為LC/MS. / With reference to Environ. Sci. Technol.2005,39,3904-3910 Exposure Assessment and Risk Characterization for Perfluorooctanoate in Selected Consumer Articles. Analysis was performed by LC/MS.	1	n.d.	---	---

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測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)		
				NO.4	NO.5	NO.6
多溴聯苯總和 / Sum of PBBs	mg/kg	參考 IEC 62321, Ed. 1 111/54/CDV 方法, 以氣相層析儀/ 質譜儀檢測多溴聯苯和多溴聯苯 醚含量。 / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of PBB and PBDE by GC/MS.	-	n.d.	n.d.	n.d.
一溴聯苯 / Monobromobiphenyl			5	n.d.	n.d.	n.d.
二溴聯苯 / Dibromobiphenyl			5	n.d.	n.d.	n.d.
三溴聯苯 / Tribromobiphenyl			5	n.d.	n.d.	n.d.
四溴聯苯 / Tetrabromobiphenyl			5	n.d.	n.d.	n.d.
五溴聯苯 / Pentabromobiphenyl			5	n.d.	n.d.	n.d.
六溴聯苯 / Hexabromobiphenyl			5	n.d.	n.d.	n.d.
七溴聯苯 / Heptabromobiphenyl			5	n.d.	n.d.	n.d.
八溴聯苯 / Octabromobiphenyl			5	n.d.	n.d.	n.d.
九溴聯苯 / Nonabromobiphenyl			5	n.d.	n.d.	n.d.
十溴聯苯 / Decabromobiphenyl			5	n.d.	n.d.	n.d.
多溴聯苯醚總和 (一至九溴) / Sum of PBDEs (Mono to Nona) (Note 4)			-	n.d.	n.d.	n.d.
一溴聯苯醚 / Monobromobiphenyl ether			5	n.d.	n.d.	n.d.
二溴聯苯醚 / Dibromobiphenyl ether			5	n.d.	n.d.	n.d.
三溴聯苯醚 / Tribromobiphenyl ether			5	n.d.	n.d.	n.d.
四溴聯苯醚 / Tetrabromobiphenyl ether			5	n.d.	n.d.	n.d.
五溴聯苯醚 / Pentabromobiphenyl ether			5	n.d.	n.d.	n.d.
六溴聯苯醚 / Hexabromobiphenyl ether			5	n.d.	n.d.	n.d.
七溴聯苯醚 / Heptabromobiphenyl ether			5	n.d.	n.d.	n.d.
八溴聯苯醚 / Octabromobiphenyl ether			5	n.d.	n.d.	n.d.
九溴聯苯醚 / Nonabromobiphenyl ether			5	n.d.	n.d.	n.d.
十溴聯苯醚 / Decabromobiphenyl ether			5	n.d.	n.d.	n.d.
多溴聯苯醚總和 (一至十溴) / Sum of PBDEs (Mono to Deca)			-	n.d.	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 極限值 (MDL)	結果(Result)		
				NO.7	NO.8	NO.9
鎘 / Cadmium (Cd)	mg/kg	參考IEC 62321, Ed. 1 111/54/CDV方法, 用感應耦合電 漿原子發射光譜儀 (ICP-AES) 檢 測鎘含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Cadmium by ICP-AES.	2	n.d.	n.d.	n.d.
鉛 / Lead (Pb)	mg/kg	參考IEC 62321, Ed. 1 111/54/CDV方法, 用感應耦合電 漿原子發射光譜儀 (ICP-AES) 檢 測鉛含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Lead by ICP- AES.	2	n.d.	n.d.	n.d.
汞 / Mercury (Hg)	mg/kg	參考IEC 62321, Ed. 1 111/54/CDV方法, 用感應耦合電 漿原子發射光譜儀 (ICP-AES) 檢 測汞含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Mercury by ICP-AES.	2	n.d.	n.d.	n.d.
六價鉻 / Hexavalent Chromium Cr(VI) by alkaline extraction	mg/kg	針對非金屬材質之樣品, 參考IEC 62321, Ed. 1 111/54/CDV 方法 檢測, 用UV-VIS檢測六價鉻含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Hexavalent Chromium for non-metallic samples by UV/Vis Spectrometry.	2	n.d.	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 極限值 (MDL)	結果(Result)		
				NO.7	NO.8	NO.9
多溴聯苯總和 / Sum of PBBs	mg/kg	參考IEC 62321, Ed. 1 111/54/CDV方法, 以氣相層析儀/ 質譜儀檢測多溴聯苯和多溴聯苯 醚含量. / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of PBB and PBDE by GC/MS.	-	n.d.	n.d.	n.d.
一溴聯苯 / Monobromobiphenyl			5	n.d.	n.d.	n.d.
二溴聯苯 / Dibromobiphenyl			5	n.d.	n.d.	n.d.
三溴聯苯 / Tribromobiphenyl			5	n.d.	n.d.	n.d.
四溴聯苯 / Tetrabromobiphenyl			5	n.d.	n.d.	n.d.
五溴聯苯 / Pentabromobiphenyl			5	n.d.	n.d.	n.d.
六溴聯苯 / Hexabromobiphenyl			5	n.d.	n.d.	n.d.
七溴聯苯 / Heptabromobiphenyl			5	n.d.	n.d.	n.d.
八溴聯苯 / Octabromobiphenyl			5	n.d.	n.d.	n.d.
九溴聯苯 / Nonabromobiphenyl			5	n.d.	n.d.	n.d.
十溴聯苯 / Decabromobiphenyl	5	n.d.	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 極限值 (MDL)	結果(Result)		
				NO.7	NO.8	NO.9
多溴聯苯醚總和 (一至九溴) / Sum of PBDEs (Mono to Nona) (Note 4)	mg/kg	參考IEC 62321, Ed. 1 111/54/CDV方法, 以氣相層析儀/ 質譜儀檢測多溴聯苯和多溴聯苯 醚含量。 / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of PBB and PBDE by GC/MS.	-	n.d.	n.d.	n.d.
一溴聯苯醚 / Monobromobiphenyl ether			5	n.d.	n.d.	n.d.
二溴聯苯醚 / Dibromobiphenyl ether			5	n.d.	n.d.	n.d.
三溴聯苯醚 / Tribromobiphenyl ether			5	n.d.	n.d.	n.d.
四溴聯苯醚 / Tetrabromobiphenyl ether			5	n.d.	n.d.	n.d.
五溴聯苯醚 / Pentabromobiphenyl ether			5	n.d.	n.d.	n.d.
六溴聯苯醚 / Hexabromobiphenyl ether			5	n.d.	n.d.	n.d.
七溴聯苯醚 / Heptabromobiphenyl ether			5	n.d.	n.d.	n.d.
八溴聯苯醚 / Octabromobiphenyl ether			5	n.d.	n.d.	n.d.
九溴聯苯醚 / Nonabromobiphenyl ether			5	n.d.	n.d.	n.d.
十溴聯苯醚 / Decabromobiphenyl ether			5	n.d.	n.d.	n.d.
多溴聯苯醚總和 (一至十溴) / Sum of PBDEs (Mono to Deca)			-	n.d.	n.d.	n.d.

備註(Note) :

1. mg/kg = ppm
2. n.d. = Not Detected (未檢出)
3. MDL = Method Detection Limit (方法偵測極限值)
4. 根據2005年10月13日歐盟會議公佈2005/717/EC, 修訂2002/95/EC內容, 通過解除高分子材質中十溴聯苯醚之使用限制。(According to 2005/717/EC DecaBDE is exempt.)
5. "-" = Not Regulated (無規格值)
6. ** = Qualitative analysis (No Unit) 定性分析(無單位)
7. Negative = Undetectable 陰性(未偵測到); Positive = Detectable 陽性(已偵測到)

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WONDERFUL HI-TECH CO., LTD.

桃園縣中壢市北園路17號

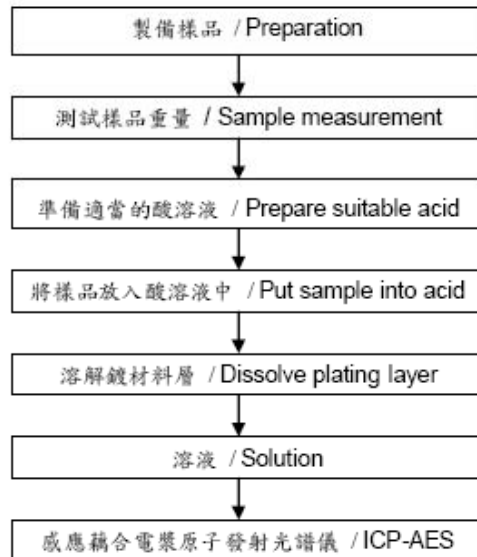
NO. 17, PEI-YUAN ROAD, CHUNG-LI IND. PARK, TAOYUAN, TAIWAN, R. O. C.



NO.1

- 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：張啓興 / Name of the person who made measurement: Troy Chang
- 3) 測試負責人：龔振裕 / Name of the person in charge of measurement: Chenyu Kung

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



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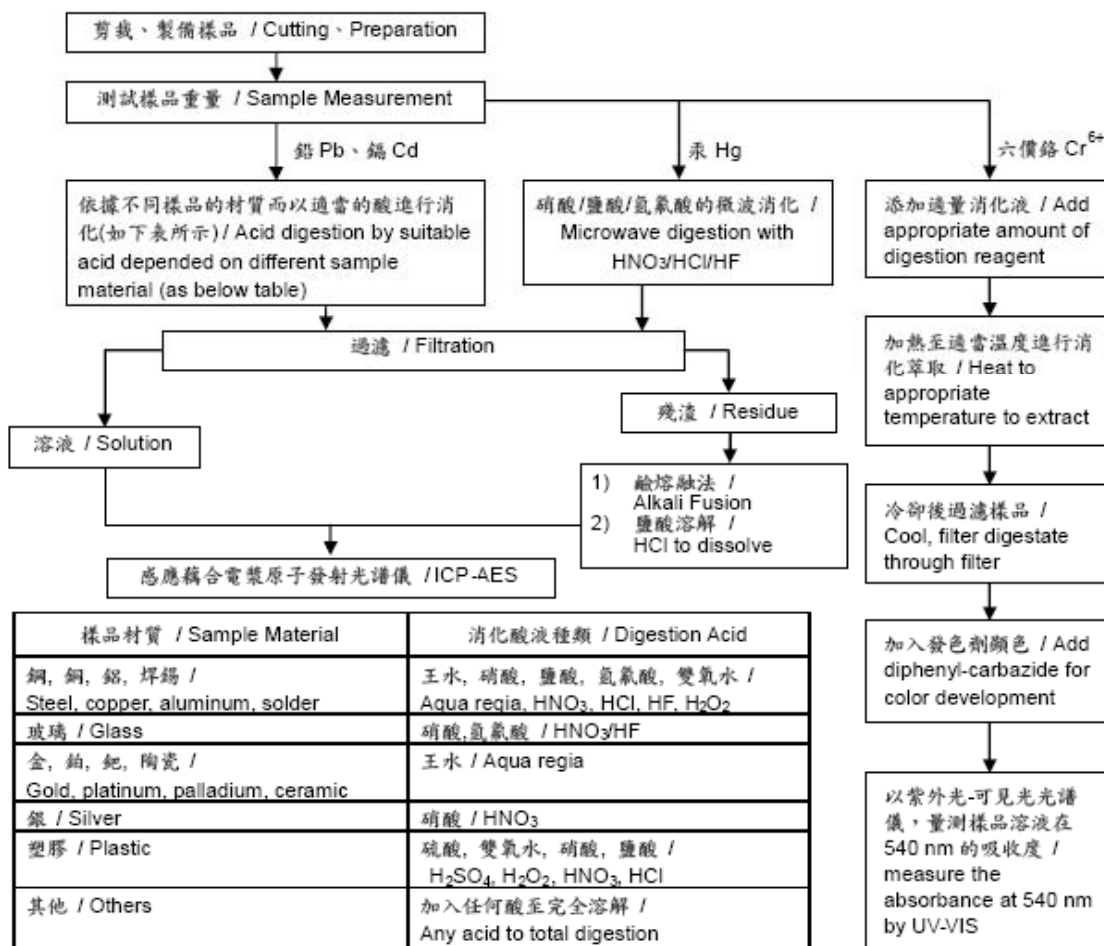
桃園縣中壢市北園路17號

NO. 17, PEI-YUAN ROAD, CHUNG-LI IND. PARK, TAOYUAN, TAIWAN, R. O. C.



NO. 2-9

- 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：張啓典 / Name of the person who made measurement: Troy Chang
- 3) 測試負責人：龔振裕 / Name of the person in charge of measurement: Chenyu Kung



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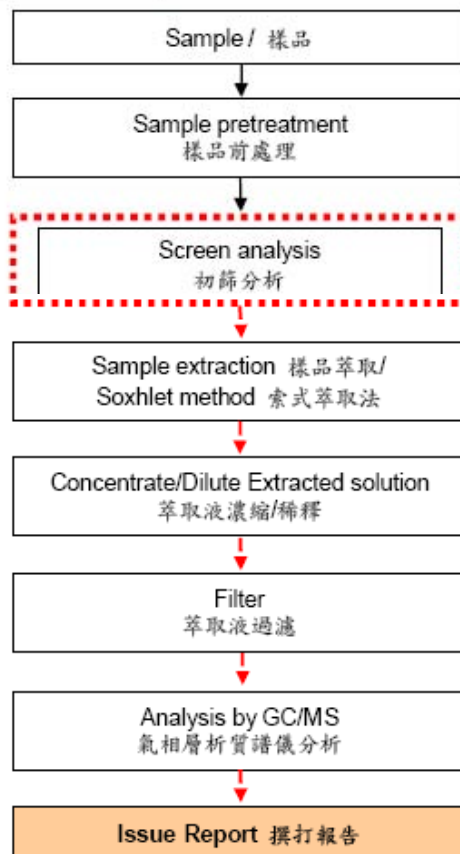


多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

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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