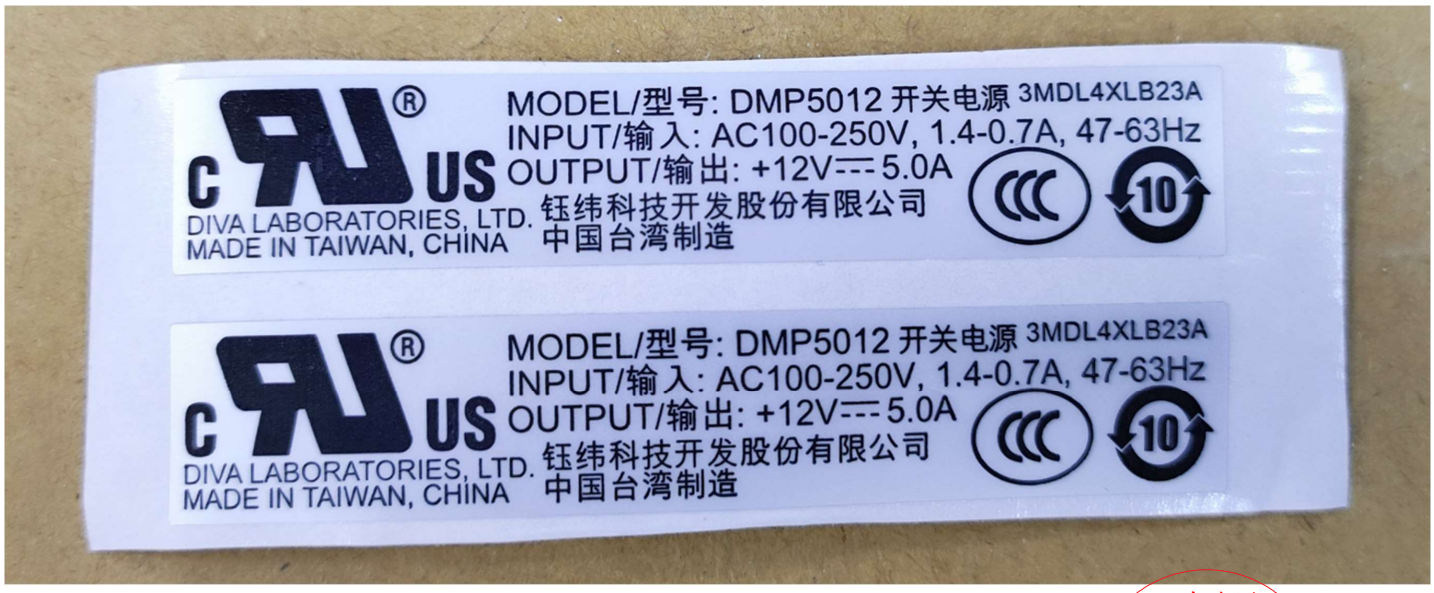


設計驗證
工程課
2023.10.18
發行
鈺緯科技開發股份有限公司

承　　認　　書

客戶名稱：鈺緯科技開發股份有限公司

3MDL4XLB23A(M3380)

料　　號：DF-4324-0001

日　　期：2023-10-17

客戶承認單位用印			
主　管		擔當者	
設計驗證 工程課 2023.10.18 發行 鈺緯科技開發股份有限公司			
承製廠商	主　管	業　務	制　作
	周淑芳	王鈴雅	王鈴雅

東風印刷企業有限公司

DONG FENG PRINT CO.,LTD

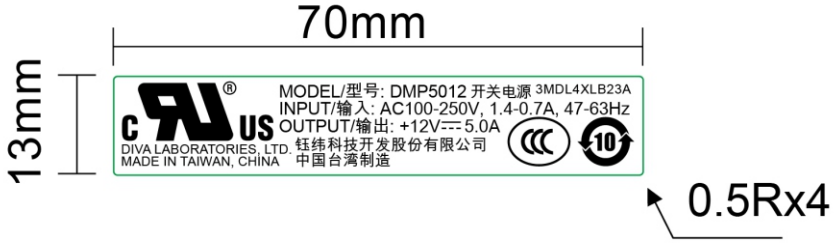
東風印刷企業有限公司

樣品承認書

客戶編號：DF-4324-0001	送樣次數: 第 1 次
料　　號：3MDL4XLB23A	
品　　名：	

樣　　品：（本樣品如蒙確認,請回函壹份）

1:1



規格說明：

1.尺寸：70*13mm(0.5R*4) 公差:±0.2mm

2.材質：不變色消銀特多龍

3.顏色：1色(黑字)

客戶確認：	業　務：王鈴雅	製　表：王鈴雅

東風印刷企業有限公司
DONGFENG PRINTING ENTERPRISE CO.,LTD.

工程圖面

製圖日期	項次	製圖人員	客戶簽名欄	工程確認	
2023.09.26	01	曾小姐			
變更說明： 新圖發行		版次		採購確認	MIY 10/5
		01			

提醒您，客戶圖面確認且回覆給東風後，東風即可製作模具。
若圖面有變更可能會有費用產生，請知悉，謝謝!

1:1



2:1



產品尺寸	70x13mm (±0.2)	材質	印刷顏色				裁切方式
綠色線為刀線	0.5Rx4	1.原材: 反銀龍#50	1	黑色	5		●裁片式
產品編號	DF-4324-0001	2.原材:	2		6		○捲狀單排出貨
客戶料號	3MDL4XLB23A	3.表膜: 上光膜	3		7		
品　　名	Label	4.膠質:	4		8		

REV.	DATE	DESCRIPTION	BY	ARRD
A	20220103	Add CCC logo & Simplified Chinese	Albert	
1	20230221	Add MEICHUN,type：MH16257：MC-03	Albert	



材質：不變色消銀特多龍，壓克力膠，PE淋膜橘牛彩離型紙

* Only use PGDQ2 printed label：MEI CHUN, type：MH16257：MC-03

設計驗證
工程課
2023.10.18
發行
鈺緯科技開發股份有限公司

THIRD ANGLE PROJECTION	UNITS: mm	SCALE: 1/1	SHEET:1/1	MODEL NO.: DMP5012
	MATERIAL: See notes		TREATMENT: See notes	
DSGD by Albert	2023/02/21	PART NAME: POWER SUPPLY LABEL		
APPD by		PART NO.: 3MDL4XLB23A		VER. 1
APPD No.: M3380	FILE NAME: DMP5012.cdr	DIVA Laboratories,Ltd.		

高冠企業股份有限公司
KK ENTERPRISE CO., LTD.

產品規格表
Specification
制訂日期：2019/04/18

代號 Code	TLSM50	品　　名 Article Name	消銀龍商標紙 Electroplating Matt Silver PET Film Label

結構 Construction			
	Face Material	→消銀特多龍	Electroplating Matt Silver PET Film
	Adhesive	→壓克力膠	Acrylic Adhesive
	Liner	→白色銅版離型紙	White Art Paper Release Liner

項目 Item		單位 Unit	數據 Data	測試方法 Test Method
面材 Face Material	厚　度 Thickness	mm	0.050±0.010	ASTM D-1000
	基　重 Basis Weight	g/m^2	70±5	
黏膠 Adhesive	上膠厚度 Coat Thickness	mm	0.026±0.005	ASTM D-1000
	初期力 Initial Tack	cm	18 ↓	PSTC-6
	黏著力 Peel Adhesion	kgf/25mm	0.8 ↑	PSTC-1
	剝離力 Release Force	gf/25mm	6~20	PSTC-8
	保持力 Holding Power	hour/20×20mm/kgf	8 ↑	PSTC-7
底紙 Liner	厚　度 Thickness	mm	0.143±0.008	ASTM D-1000
	基　重 Basis Weight	g/m^2	150±8	
UL 認證溫度 UL Rating Temperature		℃	Min.:-20 / Max:125	UL 969
使用溫度 Service Temperature		℃	-20~+150	
最適貼標溫度 Ideal Application Temperature		℃	+10~+40	
保存期限 Storage life		months	12	
保存環境 Storage Condition		儲存在乾燥處，避免陽光直射及遠離所有的熱源。理想的條件為23℃和 50%的相對濕度。 Store in a dry location out of direct sunlight and away from all sources of heat. Ideal conditions are 23℃ and 50% relative humidity.		
備註 Remark		UL File MH13600		

以上技術資料為本公司採用公認可靠之檢驗方法，經長期檢驗所得之平均數據，不做產品驗收之用。我司產品的品質管控係依據產品規格書上所敘述之產品規範，在實際應用時可能會有所差異。請客戶使用前務必先行了解，產品貼著目的與使用相關要求之條件，進行確認無虞後再使用。除非雙方針對特殊使用條件，另外訂立書面契約，否則產品經加工後為複合材料，我司不予承認相關額外損失費用。
The above mentioned technical data is based on long-term test by KK and should be for reference only, not for inspection purpose. KK's product quality control is in accordance with the specifications described in the product specification.
Before using this product, you must evaluate it and determine if it is suitable for your intended application. For specific applications have to be record by written document and agreed on both sides, otherwise KK will not accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

CTI 華測檢測

檢測報告
Test Report

報告編號 A222045317010102401E
Report No. A222045317010102401E

報告抬頭公司名稱 **Company Name shown on Report**	高冠企業股份有限公司 KK ENTERPRISE CO., LTD.
地　　址 **Address**	南投市自強三路一號 NANKANG INDUSTRIAL PARK NO.1 TSUCHIANG 3RD. RD NAN-TOU CITY

以下測試之樣品及樣品信息由申請者提供並確認
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

樣品名稱 Sample Name	ELECTROPLATING MATT SILVER POLYESTER FILM LABEL (消銀色特多龍(聚酯膜)商標紙)
樣品接收日期 Sample Received Date	2022.10.14 Oct. 14, 2022
樣品檢測日期 Testing Period	2022.10.14-2022.10.25 Oct. 14, 2022 to Oct. 25, 2022
檢測要求 **Test Requested**	請參見下頁。 Please refer to the following page(s).
檢測依據/檢測結果 **Test Method/Test Result(s)**	請參見下頁。 Please refer to the following page(s).

主　　檢 Tested by	許哲誠	審　　核 Reviewed by	鄭惠雯
批　　准 Approved by	馮智聰 實驗室經理 Laboratory Manager	日　　期 Date	2022.11.04

台灣華測檢測技術有限公司 CENTRE TESTING INTERNATIONAL (TAIWAN) CO.,LTD. CTI 測試專用章 Testing Services

No. R556661768

台灣華測檢測技術有限公司檢測中心
Testing Center, Centre Testing International (Taiwan) Co., Ltd.
桃園市蘆竹區南崁路二段 9 號 5 樓之 6
5F-6, No.9, Sec.2, Nankan Rd, Luzhu Dist., Taoyuan, Taiwan

CTI 華測檢測

檢測報告
Test Report

以下測試之樣品及樣品信息由申請者提供並確認
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

樣品序號 Sample No.	樣品名稱 Sample Name
001	消銀特多龍(聚酯膜)
002	可再剝離黏膠(可移除膠水) REMOVE ADHESIVE
003	壓克力黏膠(油性) ACRYLIC ADHESIVE(SOLVENT)

檢測要求 根據客戶要求，對所提交樣品中的鉛(Pb)，鎘(Cd)，汞(Hg)，六價鉻(Cr(VI))，多溴聯苯(PBBs)，多溴二苯醚(PBDEs)，鄰苯二甲酸酯(DBP, BBP, DEHP, DIBP)，鄰苯二甲酸酯，氟(F)，氯(Cl)，溴(Br)，碘(I)，銻(Sb)，鈹(Be)，全氟辛烷磺酸(PFOS)，全氟辛酸(PFOA)，六溴環十二烷(HBCDD)，四溴雙酚A(TBBP-A)，多環芳烴(PAHs)，聚氯乙烯(PVC)，三氧化二銻(Sb_2O_3)進行測試。

Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP), Phthalates, Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Antimony(Sb), Beryllium(Be), Perfluorooctane Sulfonates(PFOS), Perfluorooctanoic Acid(PFOA), Hexabromocyclododecane (HBCDD), Tetrabromobisphenol A (TBBP-A), Polycyclic Aromatic Hydrocarbons (PAHs), Polyvinyl Chloride (PVC), Antimony trioxide (Sb_2O_3) in the submitted sample(s).

****

結論 Conclusion

測試樣品 Tested Sample	依據標準/指令 According to standard/directive	結果 Result
提交樣品 Submitted Sample	歐盟 RoHS 指令 2011/65/EU 及其修訂指令(EU) 2015/863 RoHS Directive 2011/65/EU with amendment (EU) 2015/863	符合 Pass
	IEC 61249-2-21:2003 – 氯(Cl)，溴(Br) IEC 61249-2-21:2003 – Chlorine (Cl), Bromine (Br)	符合 Pass

****

“符合”表示檢測結果滿足依據標準/指令的限值。
Pass means that the results shown on the report comply with the limits set by standard/directive.

檢測報告
Test Report

檢測依據 Test Method

測試項目 Tested Item(s)	測試方法 Test Method	測試儀器 Measured Equipment(s)
鉛 Lead(Pb)	IEC 62321-5:2013	ICP-OES
鎘 Cadmium(Cd)	IEC 62321-5:2013	ICP-OES
汞 Mercury(Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
六價鉻 Hexavalent Chromium(Cr(VI))	IEC 62321-7-2:2017	UV-Vis
多溴聯苯 Polybrominated Biphenyls(PBBs)	IEC 62321-6:2015	GC-MS
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
鄰苯二甲酸酯 Phthalates	IEC 62321-8:2017	GC-MS
銻 Antimony (Sb)	參考 US EPA 3052:1996 & US EPA 6010D:2018 Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
六溴環十二烷 (HBCDD) Hexabromocyclododecane (HBCDD)	IEC 62321-6:2021	GC-MS
氟 Fluorine (F)	參考 EN 14582:2016 Refer to EN 14582:2016	IC
氯 Chlorine (Cl)	參考 EN 14582:2016 Refer to EN 14582:2016	IC
溴 Bromine (Br)	參考 EN 14582:2016 Refer to EN 14582:2016	IC
碘 Iodine (I)	參考 EN 14582:2016 Refer to EN 14582:2016	IC
全氟辛烷磺酸 Perfluorooctane Sulfonates (PFOS)	參考 DIN CEN/TS 15968:2010 Refer to DIN CEN/TS 15968:2010	LC-MS-MS
全氟辛酸 Perfluorooctanoic Acid (PFOA)	參考 DIN CEN/TS 15968:2010 Refer to DIN CEN/TS 15968:2010	LC-MS-MS
聚氯乙烯 Polyvinyl Chloride (PVC)	參考 JY/T 001-1996 Refer to JY/T 001-1996	FT-IR

檢測報告
Test Report

多環芳烴 Polycyclic Aromatic Hydrocarbons (PAHs)	AfPS GS 2019:01 PAK	GC-MS
四溴雙酚 A Tetrabromobisphenol A (TBBP-A)	參考 US EPA 3550C:2007 & US EPA 8321B:2007 Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS
鈹 Beryllium(Be)	參考 US EPA 3052:1996 & US EPA 6010D:2018 Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES
三氧化二銻 Antimony trioxide (Sb_2O_3)	參考 US EPA 3052:1996 & US EPA 6010D:2018 Refer to US EPA 3052:1996 & US EPA 6010D:2018	ICP-OES

CTI 華測檢測

檢測報告
Test Report

檢測結果 Test Result(s)

測試項目 Tested Item(s)	結果 Result			方法檢出限 MDL	限值 Limit
	001	002	003		
鉛 Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
鎘 Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
六價鉻 Hexavalent Chromium (Cr(VI))	N.D.	N.D.	N.D.	8 mg/kg	1000 mg/kg

測試項目 Tested Item(s)	結果 Result			方法檢出限 MDL	限值 Limit
	001	002	003		
多溴聯苯 Polybrominated Biphenyls(PBBs)					
一溴聯苯 Monobromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴聯苯 Dibromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
三溴聯苯 Tribromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
四溴聯苯 Tetrabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
五溴聯苯 Pentabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
六溴聯苯 Hexabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
七溴聯苯 Heptabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
八溴聯苯 Octabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
九溴聯苯 Nonabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	
十溴聯苯 Decabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg	

測試項目 Tested Item(s)	結果 Result			方法檢出限 MDL	限值 Limit
	001	002	003		
多溴二苯醚 Polybrominated Diphenyl Ethers(PBDEs)					
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
三溴二苯醚 Tribromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
五溴二苯醚 Pentabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
六溴二苯醚 Hexabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
七溴二苯醚 Heptabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
八溴二苯醚 Octabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
九溴二苯醚 Nonabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	
十溴二苯醚 Decabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg	

檢測報告
Test Report

測試項目 Tested Item(s)	結果 Result			方法檢出限 MDL	限值 Limit
	001	002	003		
鄰苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)					
鄰苯二甲酸二正丁酯(DBP) Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg
鄰苯二甲酸丁基苄酯(BBP) Benzylbutyl phthalate(BBP) CAS#:85-68-7	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg
鄰苯二甲酸二(2-乙基己基)酯(DEHP) Di-2-ethylhexyl phthalate(DEHP) CAS#:117-81-7	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg
鄰苯二甲酸二異丁酯(DIBP) Diisobutyl phthalate(DIBP) CAS#:84-69-5	N.D.	N.D.	N.D.	50 mg/kg	1000 mg/kg

測試項目 Tested Item(s)	結果 Result			方法檢出限 MDL	IEC 61249-2-21:2003 標準限值 Limit of Standard IEC 61249-2-21:2003
	001	002	003		
氟 Fluorine (F)	N.D.	N.D.	N.D.	50 mg/kg	---
氯 Chlorine (Cl)	N.D.	N.D.	N.D.	50 mg/kg	900 mg/kg
溴 Bromine (Br)	N.D.	N.D.	N.D.	50 mg/kg	900 mg/kg
碘 Iodine (I)	N.D.	N.D.	N.D.	50 mg/kg	---
總計(氯+溴) Total (Cl +Br)	N.D.	N.D.	N.D.	/	1500 mg/kg

測試項目 Tested Item(s)	結果 Result			方法檢出限 MDL
	001	002	003	
銻 Antimony (Sb)	86 mg/kg	N.D.	N.D.	10 mg/kg
六溴環十二烷 (HBCDD) Hexabromocyclododecane (HBCDD)	N.D.	N.D.	N.D.	20 mg/kg

測試項目 Tested Item(s)	結果 Result			方法檢出限 MDL
	001	002	003	
全氟辛烷磺酸 Perfluorooctane Sulfonates (PFOS)	N.D.	N.D.	N.D.	0.01 mg/kg
全氟辛酸 Perfluorooctanoic Acid (PFOA)	N.D.	N.D.	N.D.	0.01 mg/kg

檢測報告
Test Report

測試項目 Tested Item(s)	結果 Result			方法檢出限 MDL
	001	002	003	
四溴雙酚 A Tetrabromobisphenol A (TBBP-A)	N.D.	N.D.	N.D.	5 mg/kg
聚氯乙烯 Polyvinyl Chloride (PVC)	陰性 Negative	陰性 Negative	陰性 Negative	/

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL
	003	
鈹 Beryllium (Be)	N.D.	10 mg/kg
三氧化二銻 Antimony trioxide (Sb_2O_3) *	N.D.	10 mg/kg

測試項目 Tested Item(s)	結果 Result			方法檢出限 MDL
	001	002	003	
鄰苯二甲酸酯 Phthalates				
鄰苯二甲酸二異壬酯 Diisononyl phthalate(DINP) CAS#:28553-12-0,68515-48-0	N.D.	N.D.	N.D.	50 mg/kg
鄰苯二甲酸二己酯 Di-n-hexyl phthalate(DNHP) CAS#:84-75-3	N.D.	N.D.	N.D.	50 mg/kg
鄰苯二甲酸二異癸酯 Diisodecyl phthalate(DIDP) CAS#:26761-40-0,68515-49-1	N.D.	N.D.	N.D.	50 mg/kg
鄰苯二甲酸二正辛酯 Di-n-octyl phthalate(DNOP) CAS#:117-84-0	N.D.	N.D.	N.D.	50 mg/kg
鄰苯二甲酸二戊酯 Dipentyl phthalate(DPP) CAS#:131-18-0	N.D.	N.D.	N.D.	50 mg/kg
鄰苯二甲酸二甲酯 Dimethyl phthalate (DMP) CAS#:131-11-3	N.D.	N.D.	N.D.	50 mg/kg
鄰苯二甲酸二乙酯 Diethyl phthalate (DEP) CAS#:84-66-2	N.D.	N.D.	N.D.	50 mg/kg
鄰苯二甲酸二環己酯 Dicyclohexyl phthalate (DCHP) CAS#:84-61-7	N.D.	N.D.	N.D.	50 mg/kg
鄰苯二甲酸二(2-甲氧基)乙酯 Bis(2-methoxyethyl) phthalate (DMEP) CAS#:117-82-8	N.D.	N.D.	N.D.	50 mg/kg
鄰苯二甲酸二異戊酯 Di-isopentyl phthalate (DIPP) CAS#: 605-50-5	N.D.	N.D.	N.D.	50 mg/kg

檢測報告
Test Report

測試項目 Tested Item(s)	結果 Result			方法檢出限 MDL
	001	002	003	
鄰苯二甲酸二戊酯 Dipentyl phthalate (DNPP) CAS#:131-18-0	N.D.	N.D.	N.D.	50 mg/kg
鄰苯二甲酸烷基酯(C6-8 支型結構,C7 富集) 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) CAS#:71888-89-6	N.D.	N.D.	N.D.	50 mg/kg
鄰苯二甲酸烷基酯(C7-11 支型和線性結構) 1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters (DHNUP) CAS#:68515-42-4	N.D.	N.D.	N.D.	50 mg/kg
鄰苯二甲酸正戊基異戊基酯 N-Pentyl-isopentyl phthalate (NIPP) CAS#:776297-69-9	N.D.	N.D.	N.D.	50 mg/kg
支鏈和直鏈 1,2-苯二羧二戊酯 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (BADP) CAS#:84777-06-0	N.D.	N.D.	N.D.	50 mg/kg

測試項目 Tested Item(s)	結果 Result			方法檢出限 MDL
	001	002	003	
多環芳烴(PAHs)Polycyclic Aromatic Hydrocarbons (PAHs)				
萘 Naphthalene	N.D.	N.D.	N.D.	0.2 mg/kg
菲 Phenanthrene	N.D.	N.D.	N.D.	0.2 mg/kg
蒽 Anthracene	N.D.	N.D.	N.D.	0.2 mg/kg
熒蒽 Fluoranthene	N.D.	N.D.	N.D.	0.2 mg/kg
芘 Pyrene	N.D.	N.D.	N.D.	0.2 mg/kg
䓛Chrysene	N.D.	N.D.	N.D.	0.2 mg/kg
苯並(a)蒽 Benzo(a)anthracene	N.D.	N.D.	N.D.	0.2 mg/kg
苯並(b)熒蒽 Benzo(b)fluoranthene	N.D.	N.D.	N.D.	0.2 mg/kg
苯並(k)熒蒽 Benzo(k)fluoranthene	N.D.	N.D.	N.D.	0.2 mg/kg
苯並(j)熒蒽 Benzo(j)fluoranthene	N.D.	N.D.	N.D.	0.2 mg/kg
苯並(a)芘 Benzo(a)pyrene	N.D.	N.D.	N.D.	0.2 mg/kg
苯並(e)芘 Benzo(e)pyrene	N.D.	N.D.	N.D.	0.2 mg/kg
二苯並(a,h)蒽 Dibenzo(a,h)anthracene	N.D.	N.D.	N.D.	0.2 mg/kg
苯並(g,h,i)苝 Benzo(g,h,i)perylene	N.D.	N.D.	N.D.	0.2 mg/kg

檢測報告
Test Report

測試項目 Tested Item(s)	結果 Result			方法檢出限 MDL
	001	002	003	
茚並(1,2,3-cd)芘 Indeno(1,2,3-cd)pyrene	N.D.	N.D.	N.D.	0.2 mg/kg
菲,蒽,熒蒽,芘總量 Sum (Phenanthrene, Anthracene, Fluoranthene, Pyrene)	N.D.	N.D.	N.D.	0.2 mg/kg
15 PAHs 總量 Sum 15 PAHs	N.D.	N.D.	N.D.	0.2 mg/kg

檢測報告
Test Report

可接觸的表面材料中 PAHs 含量限值(mg/kg)(按風險評估的結果分類)
Maximum PAHs limits (mg/kg) for the materials with relevant contact/grip and operating surfaces that are to be categorised based on the results of the risk assessment

參數 **Parameters**	**一類 Category1**	**二類 Category 2**		**三類 Category 3**	
	可放入口中的材料，或預期和皮膚接觸時間超過 30 秒（長時間接觸）2009/48/EC 定義的玩具材料或供 3 歲以下兒童使用的產品 Materials intended to be placed in the mouth, or materials in toys according to Directive 2009/48/EC or materials for the use by children up to 3 years of age coming into long-term contact with skin (more than 30s) duringthe intended use	未包含在第一類材料中，預期和皮膚接觸時間超過30秒(長時間接觸)，或者和皮膚短時間頻繁接觸**的材料 Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact** with skin during the intended or foreseeable use		未包含在第一類和第二類材料中，預期和皮膚接觸時間不超過30秒（短時間接觸）的材料 Materials not covered by category 1 nor by category 2, coming into short-term contact (up to 30s) with skin during the intended or foreseeable use	
		供兒童（< 14 歲）使用的產品（包括主動和被動直接接觸） Use by children (< 14 years) (include both active and passive direct contact)	其他類產品 Other consumer products	供兒童（< 14 歲）使用的產品（包括主動和被動直接接觸） Use by children (< 14 years) (include both active and passive direct contact)	其他類產品 Other consumerproducts
苯並(a)芘 Benzo(a)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯並(e)芘 Benzo(e)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯並(a)蒽 Benzo(a)anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯並(b)熒蒽 Benzo(b)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯並(j)熒蒽 Benzo(j)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯並(k)熒蒽 Benzo(k)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
䓛Chrysene	< 0.2	< 0.2	< 0.5	< 0.5	< 1

檢測報告
Test Report

二苯並(a,h)蒽 Dibenz(a,h)anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯並(g,h,i)苝 Benzo(g,h,i)perylene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
茚並(1,2,3-cd)芘 Indenol(1,2,3-cd)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
菲,蒽,熒蒽,芘 Phenanthrene, Anthracene, Fluoranthene, Pyrene	總量< 1 < 1 Sum	總量< 5 < 5 Sum	總量< 10 < 10 Sum	總量< 20 < 20 Sum	總量< 50 < 50 Sum
萘 Naphthalene	< 1	< 2		< 10	
15 PAHs 總量 Sum 15 PAHs	< 1	< 5	< 10	< 20	< 50

** “短時間頻繁接觸” 來自REACH法規附錄XVII第50項的修訂案(法規 (EU) No. 1272/2013)
Definition “short-term repetitive contact” taken from REACH Annex XVII entry 50 amendment (REGULATION (EU) No.1272/2013)

檢測報告
Test Report

樣品/部位描述	Sample/Part Description
001	銀色薄膜 Silvery film
002	無色透明液體(乾重) Colorless transparent liquid (dry weight) [*1]
003	黃色液體(乾重) Yellow liquid (dry weight)[*1]

備註: **對於檢測鉛，鎘，汞，銻，鈹之樣品已完全溶解。**

-N.D. = 未檢出 (小於方法檢出限)

-mg/kg = ppm = 百萬分之一

-1000 mg/kg = 0.1%

-陰性表示不含有聚氯乙烯(PVC)

-*=該項目的檢測結果由其特徵元素的測試結果換算而來。

-[*1]=測試樣品經過 105°C 烘烤 2 小時後測試。

-本報告中樣品 001 的測試結果引自於報告 A2220453170101024E 。

-本報告中樣品 002 的測試結果引自於報告 A2220453170101003E 。

-本報告中樣品 003 的測試結果引自於報告 A2220453170101002E 。

Remark: **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury, Antimony, Beryllium.**

-MDL = Method Detection Limit

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

-mg/kg = ppm = parts per million

-1000 mg/kg = 0.1%

-Negative = Not contained Polyvinyl Chloride (PVC)

-*= The test result of the item is converted from the test result of certain element.

-[*1]=The sample was tested after drying for 2 hours under 105°C.

-The test result(s) of sample 001 is(are) presented in reference to the result(s) that reported in A2220453170101024E.

-The test result(s) of sample 002 is(are) presented in reference to the result(s) that reported in A2220453170101003E.

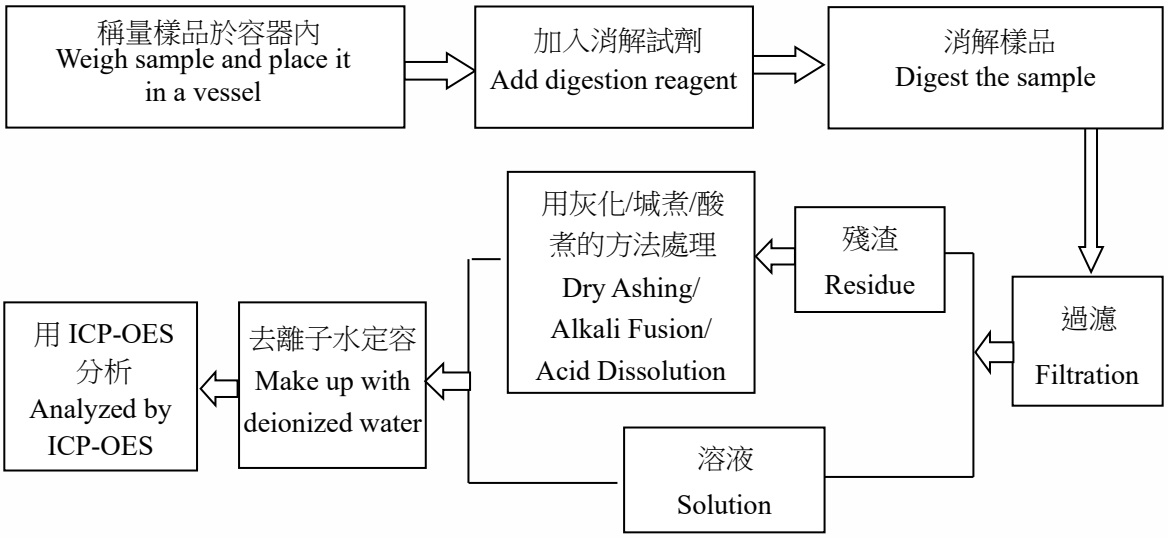
-The test result(s) of sample 003 is(are) presented in reference to the result(s) that reported in A2220453170101002E.

注釋: **本報告中的資料結果供科研、教學、企業內部品質控制、企業產品研發等目的用。**

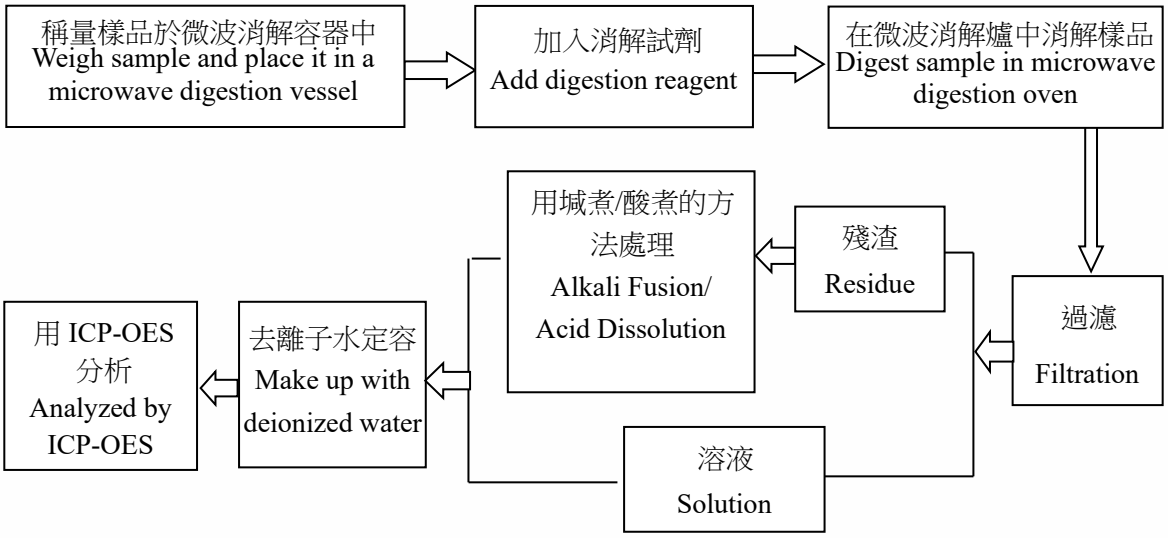
Note: **The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.**

檢測流程 Test Process

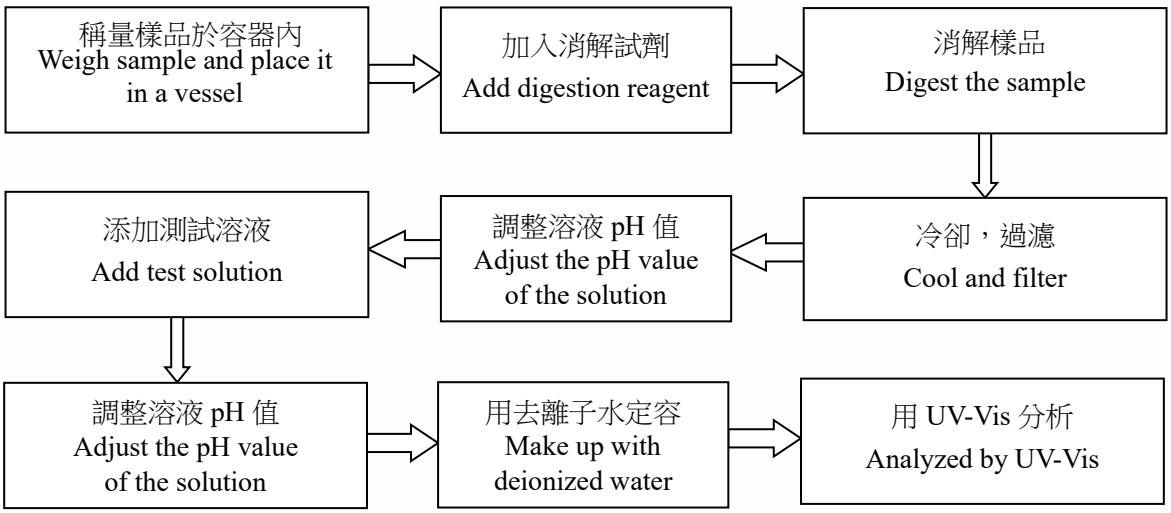
1. 鉛 Lead(Pb), 鎘 Cadmium(Cd)



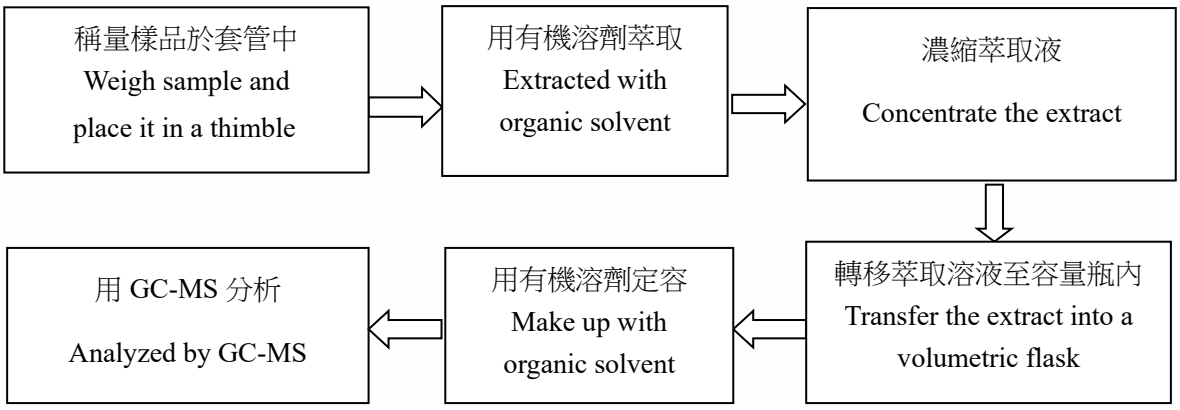
2. 汞 Mercury(Hg)



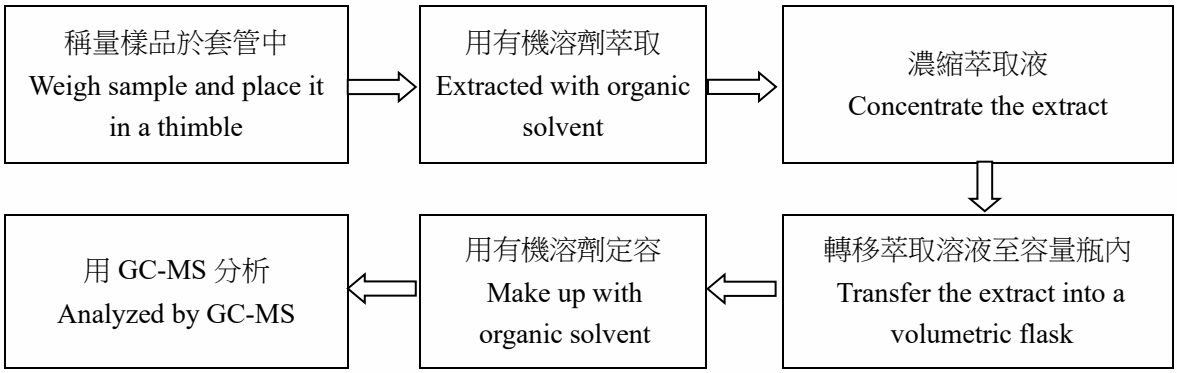
3. 六價鉻 Hexavalent Chromium(Cr(VI))



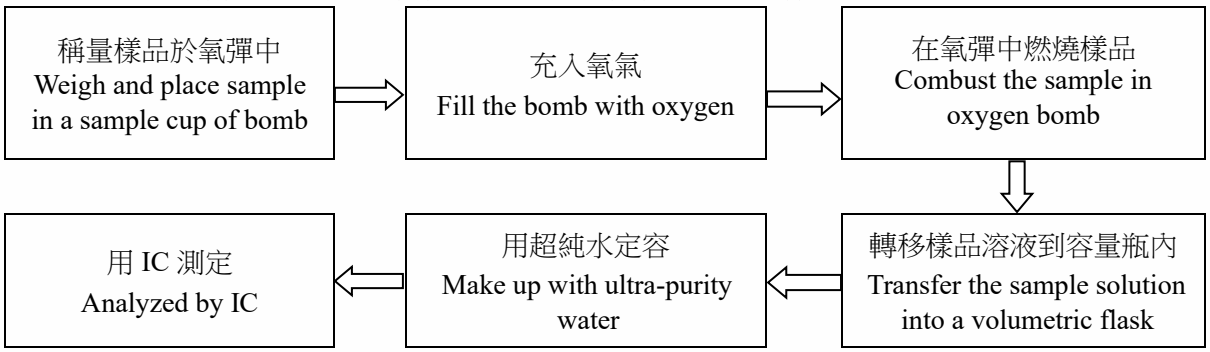
4. 多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs),多溴聯苯 Polybrominated Biphenyls(PBBs)



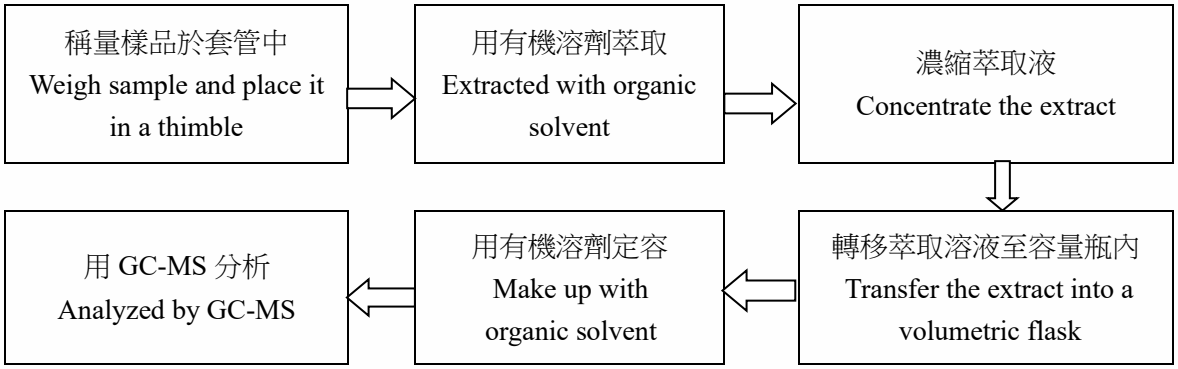
5. 鄰苯二甲酸酯 Phthalates



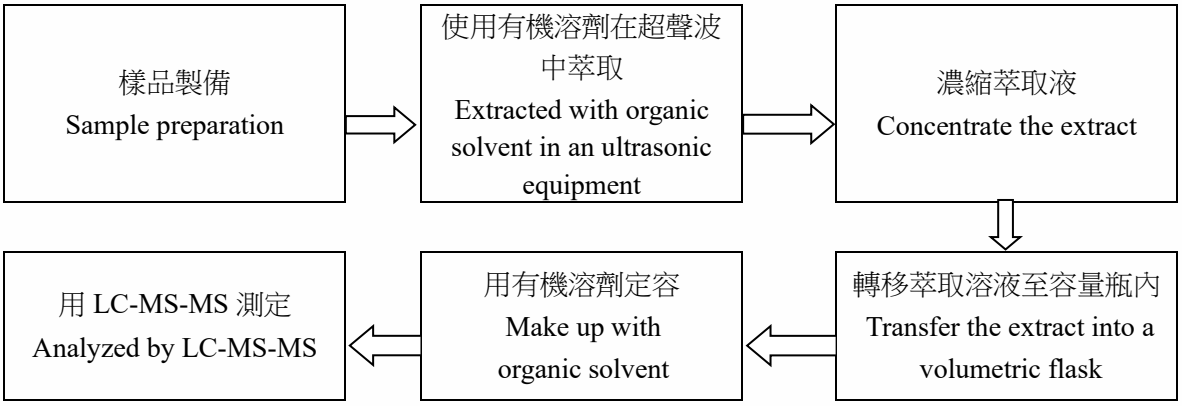
6. 氟 Fluorine (F),氯 Chlorine (Cl), 溴 Bromine (Br),碘 Iodine (I)



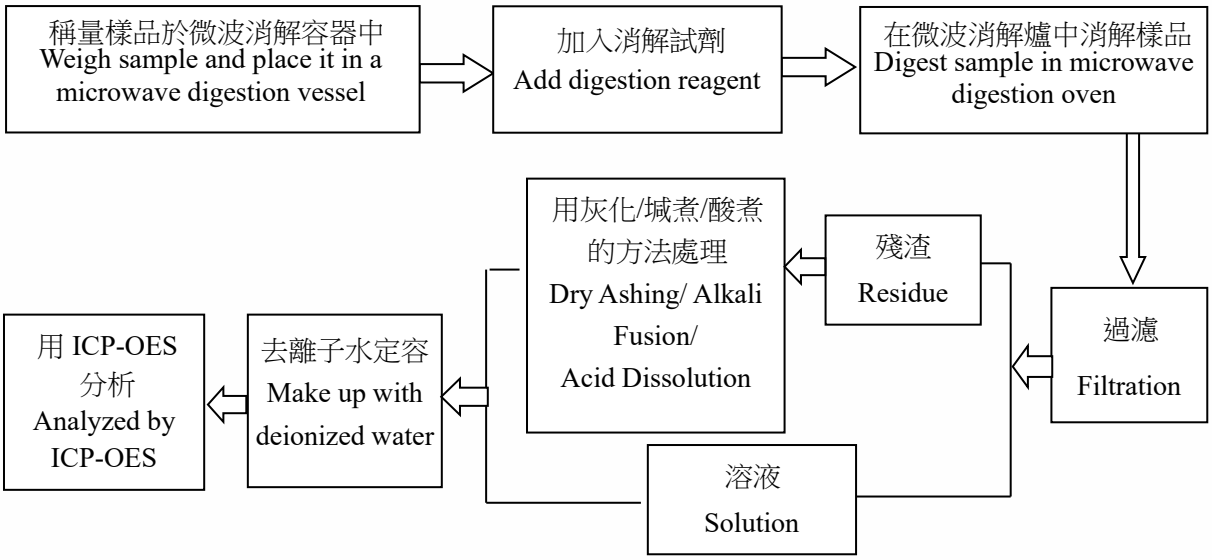
7. 六溴環十二烷 Hexabromocyclododecane (HBCDD)



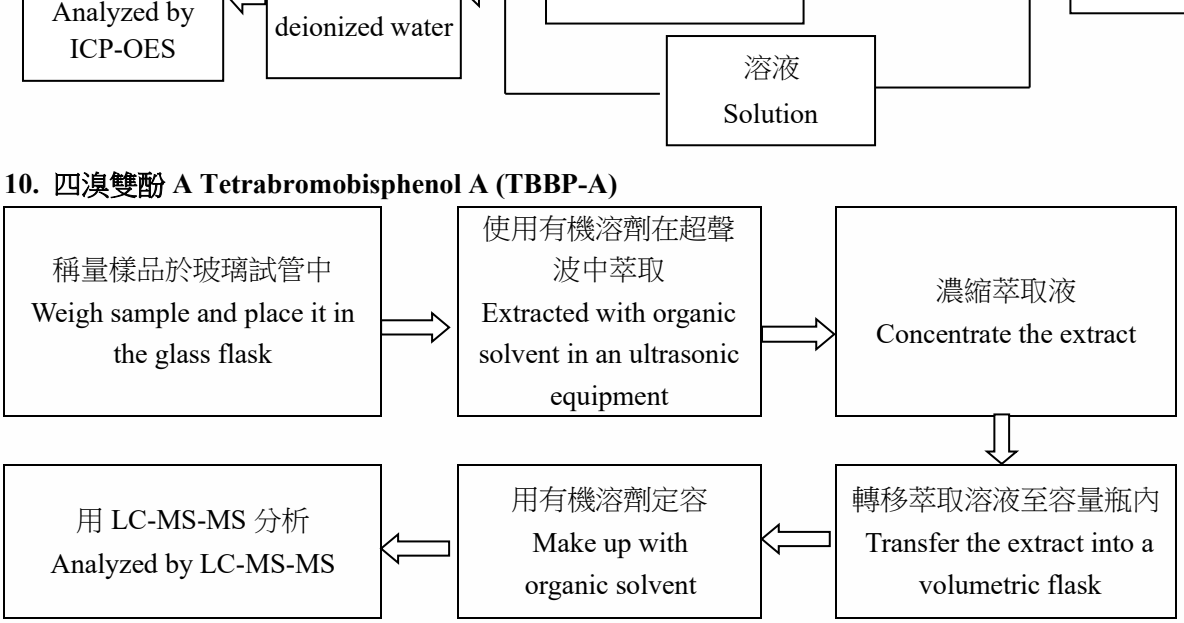
8. 全氟辛烷磺酸(PFOS), 全氟辛酸(PFOA)
Perfluorooctane Sulfonates (PFOS), Perfluorooctanoic Acid (PFOA)



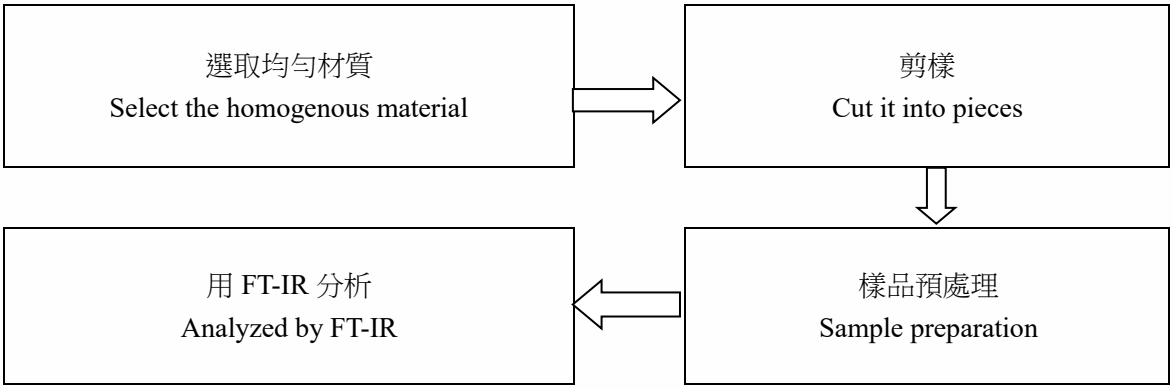
9. 鈹 Beryllium (Be), 銻 Antimony (Sb), 三氧化二銻 Antimony trioxide (Sb_2O_3)



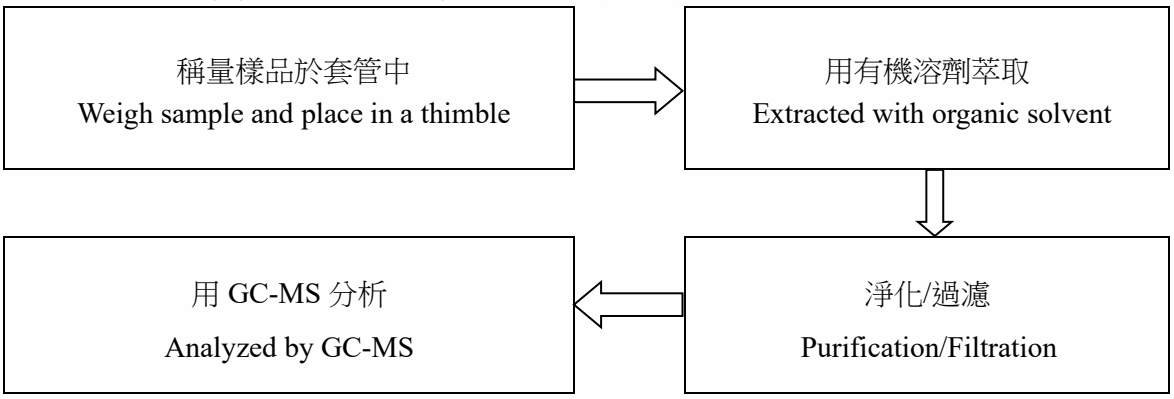
10. 四溴雙酚 A Tetrabromobisphenol A (TBBP-A)



11. 聚氯乙烯 Polyvinyl Chloride (PVC)



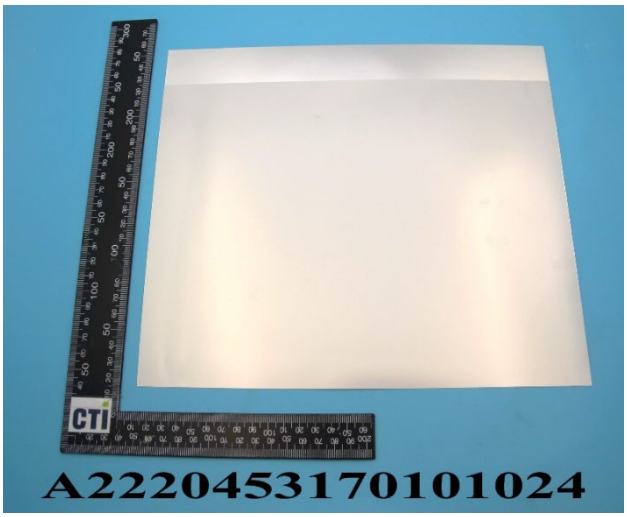
12. 多環芳烴 Polycyclic Aromatic Hydrocarbons (PAHs)



檢測報告
Test Report

樣品圖片
Photo(s) of the sample(s)

001



002



003



CTI 華測檢測

檢測報告
Test Report

聲明 Statement：

1. 檢測報告無批准人簽字、“專用章”及報告騎縫章無效；
   This report is considered invalidated without approval signature, special seal and the seal on the perforation;
2. 報告抬頭公司名稱及地址、樣品及樣品信息由申請者提供，申請者應對其真實性負責，CTI 未核實其真實性；
   Company Name and Address shown on Report, the sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which CTI hasn’t verified;
3. 本報告檢測結果僅對受測樣品負責；
   The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 未經 CTI 書面同意，不得部分複製本報告；
   Without written approval of CTI, this report can’t be reproduced except in full;
5. 如檢測報告中的英文內容與中文內容有差異，以中文為準。
   In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** 報告結束 ***
*** End of Report ***

附錄 Appendix

客戶參考信息 Client Reference Information

BTLSM50、BTLSM50E、BTLSMB、BTLSMI150E、DL26、E-HMTLSM50、
E-HMTLSM50+100、E-HMTLSM75、E-HMTLSMI、EHMTLSMI50、
E-HMTLSMI50+100、E-HTLSM(BL)、E-HTLSM100#8、E-HTLSM50#1R、
E-HTLSM50#8、E-HTLSM50(BL)、EHTLSM50+100、E-HTLSM75、
E-HTLSM75(BL)、E-HTLSMI#1R、E-HTLSMI(BL)、E-HTLSMI50#1R、
E-HTLSMI50(BL)、EHTLSMI50+100、E-HTLSMI50+100E、TLSMI75、
E-HTLSMI50+RP、E-HTLSMI75(BL)、E-HTLSMI75(I)、E-HTLSMIJ、
EHTLSMIJ(BL)、E-HTLSMIJ50+100、E-MTLSM、E-MTLSM50、
E-MTLSM75、E-MTLSMI、E-MTLSMI50、E-MTLSMI50+100、ERTLSM、
E-TLSM100#1R、E-TLSM50、E-TLSM50+100、E-TLSM50+50、
E-TLSM75、E-TLSM75#9H、E-TLSM75E、E-TLSMI、E-TLSMI#6R、
E-TLSMI#8、E-TLSMI#9H、E-TLSMI1、E-TLSMI50#1R、E-TLSMI50+100、
E-TLSMI50+100E、ETLSMI50+50、E-TLSMI50E、E-TLSMI50UL、
E-TLSMI75、E-TTLSMI+TLT、E-TTLSMI+TLTJ、HITLSMI、
HMTLSMI100、HMTLSMI50、HMTLSMI75、HTLD-3M、HTLSM、
HTLSM100、HTLSM100#9、HTLSM50、HTLSM50#17、HTLSM50#2R、
HTLSM50#34、HTLSM50#9、HTLSM5008#2、HTLSM50BL#2、
HTLSM50BL#27、HTLSM75、HTLSM75#34、HTLSM75BL#2、
HTLSM75BL#27、HTLSMA50#34、HTLSMBBL、HTLSMI、HTLSMI(A)、
HTLSMI100、HTLSMI150#21、HTLSMI4101J、HTLSMI50、
HTLSMI50#1R2、HTLSMI50#34、HTLSMI50#9L、HTLSMI50(A)、
HTLSMI50A、HTLSMI50J、HTLSMI75、HTLSMI75#34、HTLSMI95、
HTLSMIJ、HTLSMIJ50、HTLSMIJB50、HTLVSM25、HZTLSMI50、
HZTLSMI50E、L623、RHTLSM50BL#9、RHTLSM75BL#9、HMTLSM、
HMTLSM100、HMTLSM50、HMTLSM50#1R、HMTLSM75、
HMTLSM75#1R、HMTLSMI、HMTLSMI#1R、E-MHTLSMI50
HMTLSMI100、HMTLSMI50、HMTLSMI50#1R、HTLSM、
HTLSM50#1R、HTLSM50#55、HTLSM50(BL)、VL12、
HTLSM50BL、HTLSM75、HTLSM75#1R、HTLSM75(BL)、
HTLSM75BL、HTLSMB、HTLSMI、HTLSMI(A)、
HTLSMI(BL)、HTLSMI100、HTLSMI150H、HTLSMI50#1R、
HTLSMI50#1R2、HTLSMI50#1RA、HTLSMI50(A)、
HTLSMI50(A1)、HTLSMI50(BL)、HTLSMI50H、VL08、
HTLSMI50J#1RA、HTLSMI50J#9、HTLSMI75、HTLSMIBL、
HTLSMIHE、HTLSMIJ50、HTLSMIJ50#34、HTLSMIJ50#9、
HTLSMIJ50(BL)、HTLVSMI、MTLSM、MTLSM100、
MTLSM50、MTLSM75、MTLSMI、MTLSMI100、
MTLSMI50、MTLSMI75、TLSM50、TLSMI+100、
TLSMI1、TLSMI150、TLSMI50+125、TLSMI50+TLT100、

TLSMI50H、TTLSMI50、WTLVS25J、TLD-3M、TLSM、
TLSM+150、TLSM100、TLSM150、TLSM50、TLSM50#9、TLSM75、
TLSMB、TLSMB50、TLSMI、TLSMI#1、TLSMI+150、TLSMI02#1、
TLSMI03#17、TLSMI1、TLSMI1#9、TLSMI12#17、TLSMI150、TLSMI1A、
TLSMI50、TLSMI50+100、TLSMIHE、TLVSM25、TTLSMI50、E-MHTLSMIJ50、
VTLSM#2R、VTLSMI01、VTLSMI1、VTLSMI50JE#9、X1-HTLSM50、
HMTLSMI50、ZTLSMI、TLSMI102、E-HTLSMI+RP、E-HTLSM38、
E-HTLSMI50#1R、E-MTLSMI50+50、E-HMTLSMI100、E-TLSMI#9H、
E-TLSMI1J、E-HTLSMI50#1R、E-MHTLSMI75、E-MHTLSM100、KSPTLSMI50、
E-TLSMI#9GY、E-TLSMI#9HB、E-HTLSMI50#3R、HTLSMIJ、E-MHTLSM50、
HTLSMB、HTLSMB50(EB)、HTLSMB75、HTLSMB100、HTLSMI75、HTLSMI100

聲明 Statement:

附錄內容由申請者提供，申請者應對其真實性負責，CTI 未核實其真實性。

The Appendix Information was/were provided by the client who should be responsible for the authenticity which CTI hasn't verified.

iq.ul.com

Marking and Labeling Systems MH17419

Guide Information

DONG FENG PRINTING ENTERPRISE CO LTD

1F No 33 Ln 167 Sec 1 Tonghe E St, Shilin District, Taipei City 111058 TW

DF-002, XF-002

Pressure-sensitive printed labels

Application Surface	Max Temp (°C)	Min Temp (°C)	Indoor Use	Outdoor Use	Additional Conditions
Acrylonitrile butadiene styrene	100	-	Yes	No	-
Alkyd paint	100	-	Yes	No	-
Aluminum	100	-	Yes	No	-
Galvanized steel	100	-	Yes	No	-
Magnesium	100	-	Yes	No	-
Polycarbonate	100	-	Yes	No	-
Stainless steel	100	-	Yes	No	-

Report Date: 1993-12-29
Last Revised: 2011-07-28

© 2022 UL LLC