

測試報告/ Test Report

工服編號/ Application No	ET94O-11-037A
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測試日期/ Date of Performance	2005/11/16
報告日期/ Date of Issue	2005/11/24
委託機構/ Manufacturer	Smart cabling & transminssion
地 址/ Address	7F-1, No. 168, Lien Cheng Rd., Chung-Ho City, Taipei Hsien, Taiwan , R.O.C. 235
樣品名稱/ Sample Description	Active Twisted Pair Transceivers
測試內容/ Report Content	A. 樣品敘述與測試結果/ Sample Information & Results B. 樣品圖片/ Sample Photo C. 流程圖/ Flow Chart

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Laboratory Representative

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Department Manager

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A. 樣品敘述/ Sample Information

NO.1

樣品編號/ Sample No. ET94O-11-037

樣品名稱/ Sample Description Active Twisted Pair Transceivers

樣品型號/ Model No. TTA111XXX

測試結果/ Test Results

測試項目 Test Item(s)	儀器設備 Instruments	參考測試方法 Method	測試結果/ Test Results (單位/ Unit :mg/kg ; ppm)	
			NO.1	方法偵測極限 MDL
鉛/ Pb	ICP-OES	US EPA 3051A & 6010B	384.3	0.6
鎘/ Cd	ICP-OES	US EPA 3051A & 6010B	N.D.	0.6
汞/ Hg	ICP-OES	US EPA 3051A & 6010B	N.D.	1.0
六價鉻/ Cr+6	UV-VIS	US EPA 3060A & 7196A	N.D.	0.5
多溴聯苯/ PBBs				
Monobromobiphenyl	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Dibromobiphenyl	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Tribromobiphenyl	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Tetrabromobiphenyl	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0

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Pentabromobiphenyl	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Hexabromobiphenyl	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Heptabromobiphenyl	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Octabromobiphenyl	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Nonabromobiphenyl	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Decabromobiphenyl	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
多溴聯苯醚/ PBDEs				
Monobromobiphenyl ether	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Dibromobiphenyl ether	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Tribromobiphenyl ether	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Tetrabromobiphenyl ether	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Pentabromobiphenyl ether	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Hexabromobiphenyl ether	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Heptabromobiphenyl ether	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Octabromobiphenyl ether	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0

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Nonabromobiphenyl ether	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0
Decabromobiphenyl ether	GC-MS	US EPA 3540C/3550B & 8082A/8081A/8270C	N.D.	5.0

備註/ Note :

1. N.D. : 即為偵測不到/ Not Detected.
2. MDL : 方法偵測極限/ Method Detection Limitation.
3. ppm : = mg/kg (0.1% = 1000 ppm)
4. 測試儀器中英文對照/ Sino-British Contrast of the instrument
 - a. ICP-OES 感應耦合電漿原子發射光譜儀
 - b. UV-VIS 分光光度計
 - c. GC-MS 氣相層析質譜儀

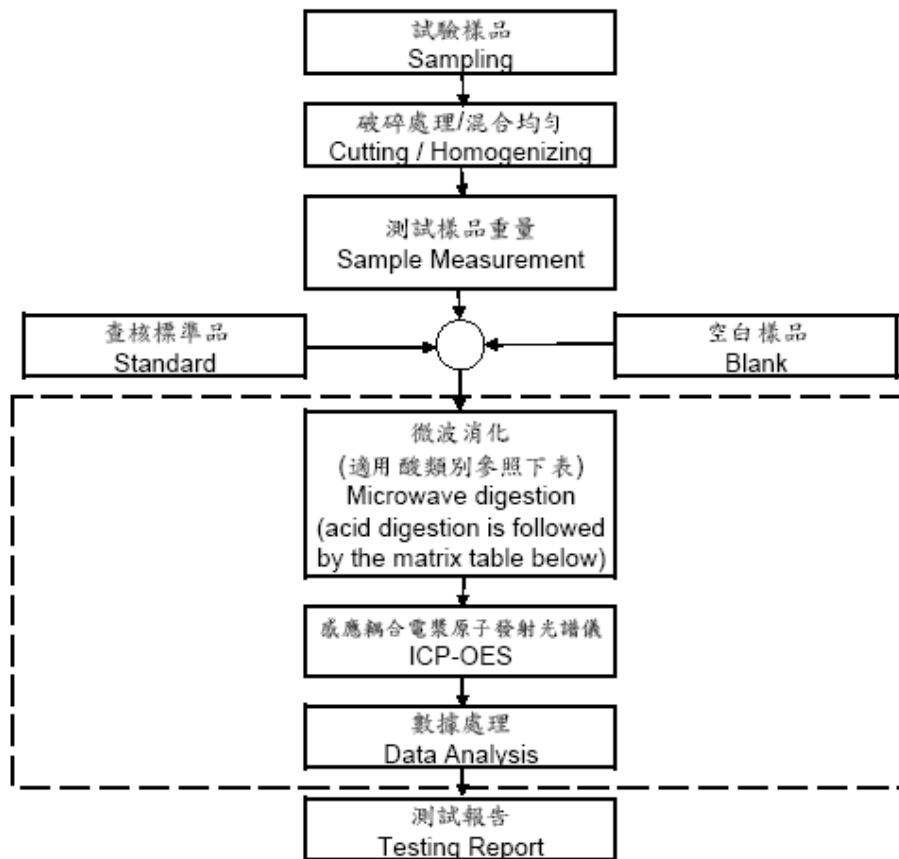
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B. 樣品照片/ Sample Photo



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C. 流程圖/ Flow Chart

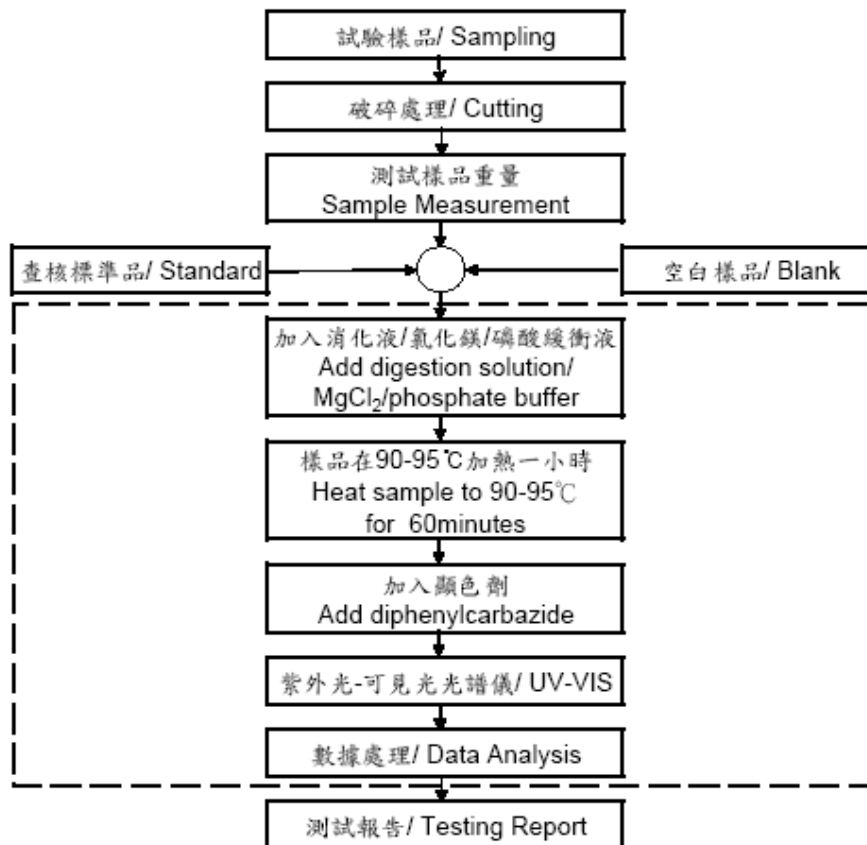


樣品種類/ Matrix	適用消化酸液/ Digestion Acid
金屬/ Metal	硝酸、鹽酸、氫氟酸、過氧化氫/ HNO ₃ 、HCl、HF、H ₂ O ₂
塑膠/ Plastic	硝酸、鹽酸、過氧化氫/ HNO ₃ 、HCl、H ₂ O ₂
玻璃/ Glass	硝酸、氫氟酸/ HNO ₃ 、HF

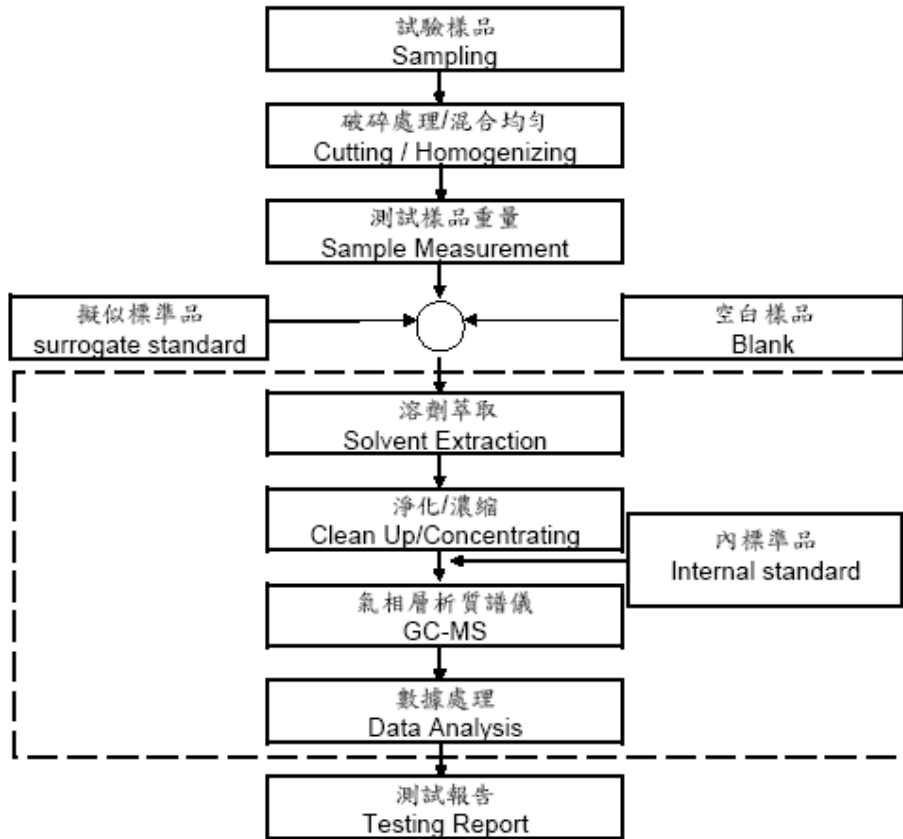
Flow Chart of Digestion for Pb、Cd、Hg (without residue)

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C. 流程圖/ Flow Chart



Flow Chart of Extraction for Cr⁶⁺



Flow Chart of Extraction for PBB/PBDE

---報告結尾/ End of Report ---