

Test Report
检测报告

No.: CANPC25015233605

Date: Aug 01, 2025

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Client Name: WALSIN TECHNOLOGY CORPORATION
客戶名稱: 華新科技股份有限公司
Client Address: NO.566-1,KAO-SHI ROAD,YANG-MEI,TAOYUAN,32642,TAIWAN
客戶位址: 桃園市楊梅區高獅路 566-1 號

Sample Name: RESISTOR PRODUCT
樣品名稱: 晶片電阻
Client Ref. Information: RESISTOR CHIP/ARRAY/NETWORK/ANTI-SULFUR/ AUTOMOTIVE
客戶參考資訊: RESISTOR CHIP/ARRAY/NETWORK/ANTI-SULFUR/ AUTOMOTIVE

The above sample(s) and information were provided by the client.
以上樣品及資訊由客戶提供。

SGS Job No.: GZPC2506004221
SGS 工作編號: GZPC2506004221
Sample Receiving Date: Jun 25, 2025
收樣日期: 2025年06月25日
Testing Period: Jun 25, 2025 ~ Jul 24, 2025
檢測週期: 2025年06月25日 ~ 2025年07月24日
Test Requested: Select test(s) as requested by the client.
檢測要求: 根據客戶要求檢測
Test Method(s): Please refer to next page(s).
檢測方法: 見後續頁。
Test Result(s): Please refer to next page(s).
檢測結果: 見後續頁。
Conclusion: Based on the performed tests on submitted sample(s), the results of Cadmium, Lead, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBBs),

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch
通标标准技术服务有限公司广州分公司
授权签名

Allie Chen

Allie Chen 陈江梨
Approved Signatory
批准签署人

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SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Technical Services Co., Ltd. Laboratory.

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Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU. According to the declaration from the client, Lead (Pb) in specimen 011 is exempted by EU RoHS directive 2011/65/EU based on [ANNEX III 7(c)-I]: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

結論:

基於所送樣品進行的檢測，鎘、鉛、汞、六價鉻、多溴聯苯(PBBs)、多溴二苯醚(PBDEs)、鄰苯二甲酸酯(如鄰苯二甲酸二丁酯 (DBP)、鄰苯二甲酸丁苄酯 (BBP)、鄰苯二甲酸二(2-乙基己基)酯(DEHP)和鄰苯二甲酸二異丁酯(DIBP))的檢測結果符合歐盟 RoHS 指令 2011/65/EU 附錄 II 的修正指令(EU) 2015/863 的限值要求。根據客戶提供的聲明，樣品 011 中的鉛 (Pb) 被歐盟 RoHS 指令 2011/65/EU 豁免，相應豁免條文 (請以英文原文為準) [ANNEX III 7 (c) -I]: 電子電氣元件中玻璃或陶瓷材料 (電容中陶瓷介質除外) 所含的鉛，如壓電設備、玻璃或陶瓷基複合元件。

Test Result(s):
檢測結果:

Test Part Description :
檢測部件外觀描述:

SN ID 樣品序號	Sample No. 樣品編號	SGS Sample ID SGS 樣品 ID	Description 樣品描述
SN1	009	CAN25-0152336-0001.C001	"RESISTOR PRODUCT" “晶片電阻”
SN2	010	CAN25-0152336-0001.C002	"RESISTOR PRODUCT" “晶片電阻”
SN3	011	CAN25-0152336-0001.C003	"RESISTOR PRODUCT" “晶片電阻”

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

備註:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL= 方法檢出限
- (3) ND = 未檢出 (< MDL)
- (4) "-" = 未規定



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Guangzhou Branch Technical Laboratory

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EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

歐盟 RoHS 指令 2011/65/EU 附錄 II 的修正指令(EU) 2015/863-鉛、汞、鎘、六價鉻、多溴聯苯 (PBB)、多溴二苯醚 (PBDE)、鄰苯二甲酸二(2-乙基己基)酯 (DEHP)、鄰苯二甲酸丁苄酯 (BBP)、鄰苯二甲酸二丁酯 (DBP) 和鄰苯二甲酸二異丁酯 (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

检测方法: 参考 IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 和 IEC 62321-8:2017, 採用 ICP-OES/AAS, UV-Vis 和 GC-MS 進行分析。

Test Item(s) 檢測項目	Limit 限值	Unit(s) 單位	MDL	011
Lead (Pb) / 鉛 (Pb)	1000	mg/kg	2	1383▲
Mercury (Hg) / 汞 (Hg)	1000	mg/kg	2	ND
Cadmium (Cd) / 鎘 (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI)) / 六價鉻 (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB) / 多溴聯苯之和 (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB) / 一溴聯苯 (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB) / 二溴聯苯 (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB) / 三溴聯苯 (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB) / 四溴聯苯 (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB) / 五溴聯苯 (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB) / 六溴聯苯 (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB) / 七溴聯苯 (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB) / 八溴聯苯 (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB) / 九溴聯苯 (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB) / 十溴聯苯 (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether (PBDE) / 多溴二苯醚之和 (PBDE)	1000	mg/kg	-	ND



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Test Item(s) 檢測項目	Limit 限值	Unit(s) 單位	MDL	011
Monobrominated diphenyl ether (MonoBDE) / 一溴二苯醚 (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE) / 二溴二苯醚 (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE) / 三溴二苯醚 (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE) / 四溴二苯醚 (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE) / 五溴二苯醚 (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE) / 六溴二苯醚 (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE) / 七溴二苯醚 (HeptaBDE)	-	mg/kg	5	ND
Octabrominated diphenyl ether (OctaBDE) / 八溴二苯醚 (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE) / 九溴二苯醚 (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE) / 十溴二苯醚 (DecaBDE)	-	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate (DEHP) / 鄰苯二甲酸二(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP) / 鄰苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP) / 鄰苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP) / 鄰苯二甲酸二異丁酯 (DIBP)	1000	mg/kg	50	ND

Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

備註:

- (1) 最大允許極限值引用自 RoHS 指令(EU) 2015/863。
- (2) IEC 62321 系列等同於 EN 62321 系列。
- (3) 2021年7月22號開始，DEHP，BBP，DBP 和 DIBP 的限制適用於醫療器械，包括體外醫療器械，監控儀錶，包括工業監測和控制儀器。

**Halogen
鹵素**



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Test Method: With reference to EN 14582:2016, analysis was performed by IC.
检测方法: 参考 EN 14582:2016, 採用 IC 進行分析。

Test Item(s) 檢測項目	Unit(s) 單位	MDL	009
Fluorine(F) / 氟 (F)	mg/kg	20	ND
Chlorine(Cl) / 氯 (Cl)	mg/kg	50	ND
Bromine(Br) / 溴 (Br)	mg/kg	50	ND
Iodine(I) / 碘 (I)	mg/kg	50	ND

Hexabromocyclododecane (HBCDD)
六溴環十二烷(HBCDD)

Test Method: With reference to IEC 62321-9:2021, analysis was performed by GC-MS.
检测方法: 参考 IEC 62321-9:2021, 採用 GC-MS 進行分析。

Test Item(s) 檢測項目	CAS No.	Unit(s) 單位	MDL	009
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD) / 六溴環十二烷(HBCDD)及其非對映異構體(α -HBCDD, β -HBCDD, γ -HBCDD)	134237-50-6 /134237-51-7 /134237-52-8 /25637-99-4 /3194-55-6	mg/kg	20	ND

Phthalates
鄰苯二甲酸酯

Test Method: With reference to IEC 62321-8:2017, analysis was performed by GC-MS.
检测方法: 参考 IEC 62321-8:2017, 採用 GC-MS 進行分析。

Test Item(s) 檢測項目	CAS No.	Unit(s) 單位	MDL	009
Diisononyl Phthalate (DINP) / 鄰苯二甲酸二異壬酯(DINP)	28553-12-0 /68515-48-0	mg/kg	50	ND
Di-n-Octyl Phthalate(DNOP) / 鄰苯二甲酸二辛酯(DNOP)	117-84-0	mg/kg	50	ND
Diisodecyl Phthalate (DIDP) / 鄰苯二甲酸二異癸酯(DIDP)	26761-40-0 /68515-49-1	mg/kg	50	ND
Di-n-Hexyl Phthalate(DnHP) / 鄰苯二甲酸二正己酯(DnHP)	84-75-3	mg/kg	50	ND
Dipentyl Phthalate (DPENP/DnPP) / 鄰苯二甲酸二戊酯 (DPENP/ DnPP)	131-18-0	mg/kg	50	ND
Di-n-Heptyl Phthalate(DnHpP) / 鄰苯二甲酸二正庚酯 (DnHpP)	3648-21-3	mg/kg	50	ND



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Red Phosphorus

紅磷

Test Method: SGS In-house method (SGS-CCL-TOP-215-01), analysis was performed by PY-GC/MS/ICP-OES / GC-MS.

检测方法： SGS 内部方法 (SGS-CCL-TOP-215-01)，採用 PY-GC/MS/ ICP-OES / GC-MS 進行分析。

Test Item(s) 檢測項目	CAS No.	Unit(s) 單位	MDL	010
Red Phosphorus / 紅磷	7723-14-0	mg/kg	500	ND

Notes:

(1) * For Positive result, the testing result is based on the worst-case scenario, and confirmed by Pyrolysis-GC-MS.

備註：

(1) 陽性檢測結果基於最壞情況考慮，並經熱裂解 GC-MS 確認。

Element(s)

元素分析

Test Method: With reference to US EPA 3052:1996, analysis was performed by ICP-OES/AAS.

检测方法： 參考 US EPA 3052:1996，採用 ICP-OES/AAS 進行分析。

Test Item(s) 檢測項目	Unit(s) 單位	MDL	009
Beryllium(Be) / 鈹(Be)	mg/kg	5	ND
Antimony(Sb) / 銻(Sb)	mg/kg	10	ND

Perfluorooctanoic acid (PFOA) and its salts, Perfluorooctane sulfonic acid (PFOS) and its derivatives
全氟辛酸(PFOA)及其鹽和全氟辛烷磺酸(PFOS)及其衍生物

Test Method: Modified EN 17681-1:2022, analysis was performed by LC-MS or LC-MS/MS.

检测方法： 優化的 EN 17681-1:2022, 採用 LC-MS 或 LC-MS/MS 進行分析。

Test Item(s) 檢測項目	CAS No.	Unit(s) 單位	MDL	009
PFOS, its salts and related compounds PFOS 及其鹽和相關物質				
Perfluorooctane sulfonic acid (PFOS), its salts^ / 全氟辛烷磺酸 (PFOS), 及其鹽^	1763-23-1	mg/kg	0.010	ND
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA) / N-乙基全氟辛烷磺醯胺 (N-EtFOSA)	4151-50-2	mg/kg	0.010	ND



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N-methylperfluoro-1-octanesulfonamide (N-MeFOSA) / N-甲基全氟辛烷磺醯胺 (N-MeFOSA)	31506-32-8	mg/kg	0.010	ND
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE) / 2-(N-乙基全氟辛基磺醯胺)乙醇 (N-EtFOSE)	1691-99-2	mg/kg	0.010	ND
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE) / 2-(N-甲基全氟辛基磺醯胺)乙醇 (N-MeFOSE)	24448-09-7	mg/kg	0.010	ND
Perfluorooctane Sulfonamide (PFOSA), its salts [^] / 全氟辛基磺醯胺 (PFOSA), 及其鹽 [^]	754-91-6	mg/kg	0.010	ND
Perfluorooctane sulfonamidoacetic Acid (FOSAA), its salts [^] / N-(全氟-1-辛烷磺醯基)甘氨酸 (FOSAA), 及其鹽 [^]	2806-24-8	mg/kg	0.010	ND
N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA), its salts [^] / N-甲基-N-(全氟-1-辛烷磺醯基)甘氨酸 (N-MeFOSAA), 及其鹽 [^]	2355-31-9	mg/kg	0.010	ND
N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA), its salts [^] / N-乙基-N-(全氟-1-辛烷磺醯基)甘氨酸 (N-EtFOSAA), 及其鹽 [^]	2991-50-6	mg/kg	0.010	ND
Sum of Perfluorooctane sulfonic acid (PFOS) and its derivatives / 全氟辛烷磺酸 (PFOS)及其衍生物	-	mg/kg	-	ND
PFOA, its salts PFOA, 及其鹽				
Perfluorooctanoic acid (PFOA), its salts [^] / 全氟辛酸 (PFOA), 及其鹽 [^]	335-67-1	mg/kg	0.010	ND

Notes:

1. [^]=Substances refer to its salts/derivative listed in below table.

Substance Name	CAS No.
PFOS, its salts & derivatives	
Perfluorooctane sulfonic acid (PFOS)	1763-23-1
Potassium Perfluorooctanesulfonate (PFOS-K)	2795-39-3
Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
Sodium perfluorooctanesulfonate (PFOS-Na)	4021-47-0
Ammonium perfluorooctanesulfonate (PFOS-NH ₄)	29081-56-9



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Perfluorooctane sulfonate diethanolamine salt (PFOS-NH ₂ (C ₂ H ₄ OH) ₂)	70225-14-8
Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3
N-decyl-N,N-dimethyldecyl-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂)	251099-16-8
TetrabutylAmmonium perfluorooctanesulfonate (PFOS-N(C ₄ H ₉) ₄)	111873-33-7
Perfluorooctane Sulfonyl fluoride (PFOS-F)	307-35-7
Magnesium bis(heptadecafluorooctanesulphonate) (PFOS-Mg)	91036-71-4
Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6
Perfluorooctanesulfonate	45298-90-6
Triethylammonium perfluorooctane sulfonate (PFOS-N(C ₂ H ₅) ₃)	54439-46-2
Tetramethylammonium perfluorooctane sulfonate (PFOS-N(CH ₃) ₄)	56773-44-5
N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C ₃ H ₇) ₃ (C ₅ H ₁₁))	56773-56-9
N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C ₄ H ₉) ₃ (CH ₃))	124472-68-0
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1)	213740-80-8
Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate	258341-99-0
1-Hexadecylpyridinium perfluoro-1-octanesulfonate	334529-63-4
N,N,N-Triethyldecyl-1-aminium heptadecafluorooctane-1-sulfonate	773895-92-4
Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P (C ₄ H ₉) ₄)	2185049-59-4
Perfluorooctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁₁ N)	2205029-08-7
heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-C ₁₅ H ₃₀ NO ₂)	1203998-97-3
Perfluorooctane sulfonic anhydride (PFOSAN)	423-92-7
FOSAA, its salts	
Perfluorooctane sulfonamidoacetic Acid (FOSAA)	2806-24-8
N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion))	909405-47-6
N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)	75260-69-4
N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)	115716-87-5
N-MeFOSAA, its salts	
N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA)	2355-31-9
2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion))	909405-48-7
Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)	70281-93-5
N-EtFOSAA, its salts	
N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA)	2991-50-6
Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K)	2991-51-7
2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion))	909405-49-8



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Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH ₄)	2991-52-8
Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)	3871-50-9
PFOSA, its salts	
Perfluorooctane Sulfonamide (PFOSA)	754-91-6
Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9
Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8
Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0
Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH ₄)	76752-72-2
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N)	76752-82-4
PFOA, its salts & derivatives	
Perfluorooctanoic acid (PFOA)	335-67-1
Sodium perfluorooctanoate (PFOA-Na)	335-95-5
Potassium perfluorooctanoate (PFOA-K)	2395-00-8
Silver perfluorooctanoate (PFOA-Ag)	335-93-3
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
Lithium perfluorooctanoate (PFOA-Li)	17125-58-5
Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6
Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+) (PFOA-Cr(3+))	68141-02-6
Pentadecafluorooctanoic acid--piperazine (2/1) (PFOA-NH(C ₄ H ₁₀ N))	423-52-9
Pentadecafluorooctanoate (anion)	45285-51-6
Perfluorooctanoic Anhydride	33496-48-9
N,N,N-Triethylethanaminium perfluorooctanoate	98241-25-9
Perfluorooctanoate N,N,N-Trimethylmethanaminium	32609-65-7
Tetrapropylammonium perfluorooctanoate	277749-00-5
Potassium pentadecafluorooctanoate--water (1/1/2) (PFOA-K(H ₂ O) ₂)	98065-31-7
Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C ₂ H ₇ N)	1376936-03-6
Pentadecafluorooctanoic acid--pyridine (1/1) (PFOA-C ₅ H ₅ N)	95658-47-2
pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-C ₁₀ H ₁₄ N ₂)	1514-68-7
N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-C ₁₁ H ₂₆ N)	927835-01-6

備註:

1. ^=物質是指附表中列出的鹽/衍生物。



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物質名稱	CAS No.
PFOS, 及其鹽&衍生物	
全氟辛烷磺酸(PFOS)	1763-23-1
全氟辛基磺酸鉀(PFOS-K)	2795-39-3
全氟辛基磺酸鋰(PFOS-Li)	29457-72-5
全氟辛基磺酸鈉(PFOS-Na)	4021-47-0
全氟辛基磺酸銨(PFOS-NH ₄)	29081-56-9
全氟辛基磺酸二乙醇銨(PFOS-NH ₂ (C ₂ H ₄ OH) ₂)	70225-14-8
全氟辛基磺酸四乙基銨(PFOS-N(C ₂ H ₅) ₄)	56773-42-3
全氟辛基磺酸二癸二甲基銨(PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂)	251099-16-8
全氟辛基磺酸四丁基銨(PFOS-N(C ₄ H ₉) ₄)	111873-33-7
全氟辛基磺醯氟(PFOS-F)	307-35-7
雙[十七氟辛烷磺酸]鎂(PFOS-Mg)	91036-71-4
全氟辛烷磺酸呱啶	71463-74-6
全氟辛烷磺酸鹽	45298-90-6
全氟辛烷磺酸三乙基銨(PFOS-N(C ₂ H ₅) ₃)	54439-46-2
全氟辛烷磺酸四甲基銨(PFOS-N(CH ₃) ₄)	56773-44-5
N, N,N-三丙基戊烷-1-七氟辛烷-1-磺酸銨(PFOS-N(C ₃ H ₇) ₃ (C ₅ H ₁₁))	56773-56-9
N,N-二丁基-N-甲基丁烷-1-胺十七氟辛烷-1-磺酸酯(PFOS-N(C ₄ H ₉) ₃ (CH ₃))	124472-68-0
雙[4-(1,1-二甲基乙基)苯基]-碘鎘與全氟-1-辛烷磺酸的鹽(1:1)	213740-80-8
全氟-1-辛烷磺酸二苯基(2,4,6-三甲基苯基)鎘	258341-99-0
全氟-1-辛烷磺酸 1-十六烷基吡啶鎘	334529-63-4
N,N,N-三乙基癸-1-胺十七氟辛烷-1-磺酸鹽	773895-92-4
全氟辛烷磺酸四丁基鎘 (PFOS-P (C ₄ H ₉) ₄)	2185049-59-4
全氟辛基磺酸二乙胺 (PFOS-C ₄ H ₁₁ N)	2205029-08-7



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全氟辛基磺酸庚基二甲基-[2-(2-甲基丙-2-烯基氧基)乙基]胺 (PFOS-C ₁₅ H ₃₀ NO ₂)	1203998-97-3
全氟辛基磺酸酐(PFOSAN)	423-92-7
FOSAA, 及其鹽	
N-(全氟-1-辛烷磺基)甘氨酸(FOSAA)	2806-24-8
全氟辛烷磺基氨基乙酸鹽 (FOSAA(anion))	909405-47-6
全氟辛烷磺基氨基乙酸鉀 (FOSAA-K)	75260-69-4
全氟辛烷磺基氨基乙酸鈉 (FOSAA-Na)	115716-87-5
N-MeFOSAA, 及其鹽	
N-甲基-N-(全氟-1-辛烷磺基)甘氨酸 (N-MeFOSAA)	2355-31-9
N-(十七氟辛基磺基)-N-甲基甘氨酸鹽 (N-Me-FOSAA(anion))	909405-48-7
N-(十七氟辛基磺基)-N-甲基甘氨酸鉀 (N-Me-FOSAA-K)	70281-93-5
N-EtFOSAA, 及其鹽	
N-乙基-N-(全氟-1-辛烷磺基)甘氨酸(N-EtFOSAA)	2991-50-6
N-乙基-N-[(十七烷氟辛基)磺基]-甘氨酸鉀鹽 (N-Et-FOSAA-K)	2991-51-7
N-乙基-N-((十七氟辛基)磺基)甘氨酸鹽 (N-Et-FOSAA(anion))	909405-49-8
N-乙基-N-((十七氟辛基)磺基)甘氨酸銨 (N-Et-FOSAA-NH ₄)	2991-52-8
N-乙基-N-((十七氟辛基)磺基)甘氨酸鈉 (N-Et-FOSAA-Na)	3871-50-9
PFOSA, 及其鹽	
全氟辛基磺基胺(PFOSA)	754-91-6
全氟辛基磺基胺鋰鹽(1:1)(PFOSA-Li)	76752-79-9
全氟辛基磺基胺鈉鹽 (1:1) (PFOSA-Na)	76752-78-8
全氟辛基磺基胺鉀鹽 (1:1) (PFOSA-K)	76752-70-0
全氟辛基磺基胺銨鹽 (1:1) (PFOSA-NH ₄)	76752-72-2
全氟辛基磺基胺三乙胺 (PFOSA-C ₆ H ₁₅ N)	76752-82-4
PFOA, 及其鹽&衍生物	



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全氟辛酸(PFOA)	335-67-1
全氟辛酸鈉(PFOA-Na)	335-95-5
全氟辛酸鉀(PFOA-K)	2395-00-8
全氟辛酸銀(PFOA-Ag)	335-93-3
全氟辛醞氟(PFOA-F)	335-66-0
全氟辛酸銨(APFO)	3825-26-1
全氟辛酸鋰(PFOA-Li)	17125-58-5
全氟辛酸鈷(PFOA-Co)	35965-01-6
全氟辛酸銫(PFOA-Cs)	17125-60-9
全氟辛酸鉻(3+) (PFOA-Cr(3+))	68141-02-6
全氟辛酸-呱嗪(2:1) (PFOA-NH(C ₄ H ₁₀ N))	423-52-9
全氟辛酸鹽	45285-51-6
全氟辛酸酞	33496-48-9
全氟辛酸四乙基胺	98241-25-9
全氟辛酸四甲基胺	32609-65-7
全氟辛酸四丙基胺	277749-00-5
全氟辛酸鉀水合物 (PFOA-K(H ₂ O) ₂)	98065-31-7
全氟辛酸乙胺 (PFOA-C ₂ H ₇ N)	1376936-03-6
全氟辛酸吡啶 (PFOA-C ₅ H ₅ N)	95658-47-2
全氟辛酸苯基呱嗪 (PFOA-C ₁₀ H ₁₄ N ₂)	1514-68-7
全氟辛酸辛基三甲基銨 (PFOA-C ₁₁ H ₂₆ N)	927835-01-6

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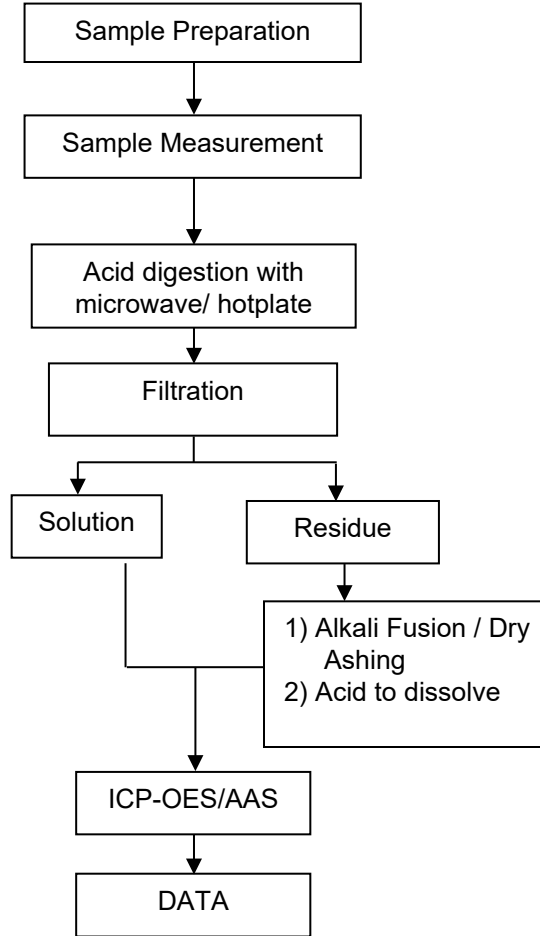
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Elements Testing Flow Chart

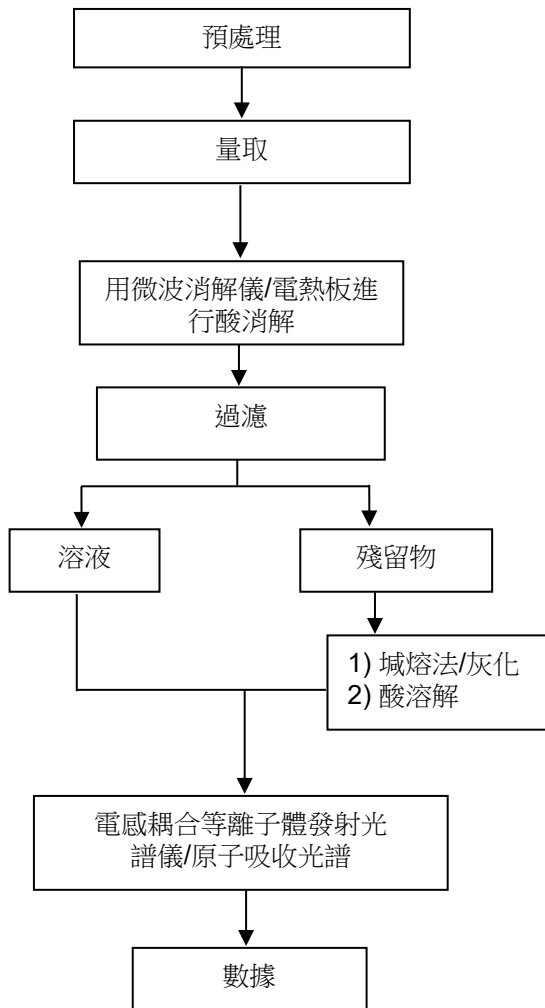
These samples were dissolved totally by pre-conditioning method according to below flow chart.



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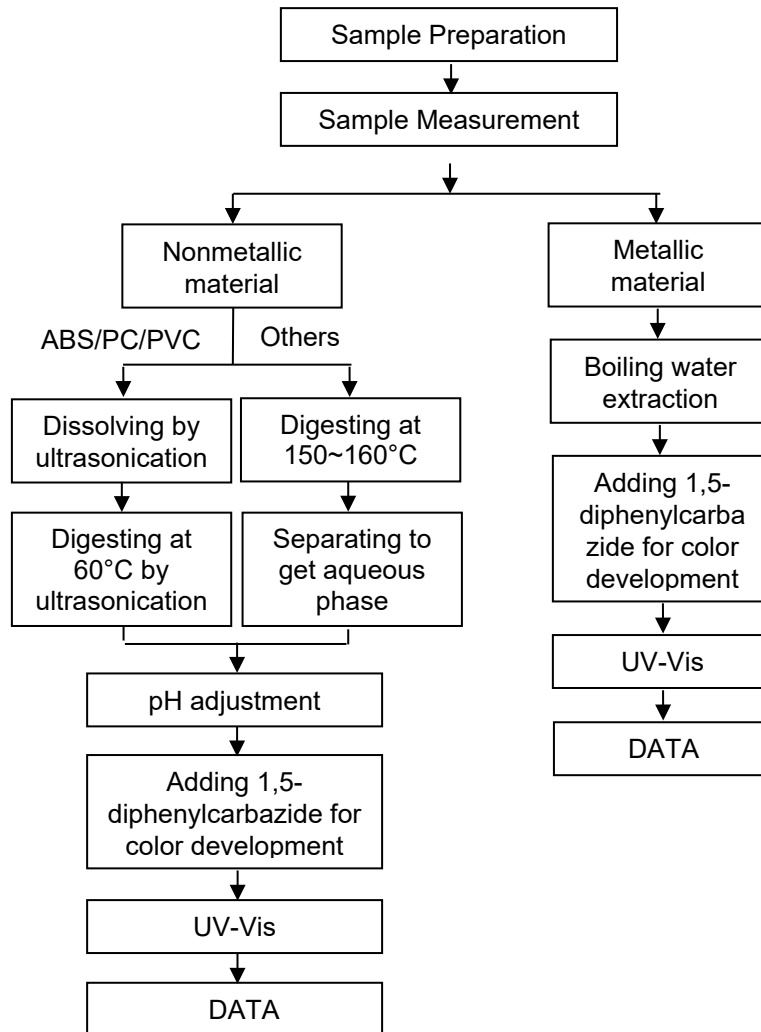
元素檢測流程圖

樣品按照下述流程被完全消解

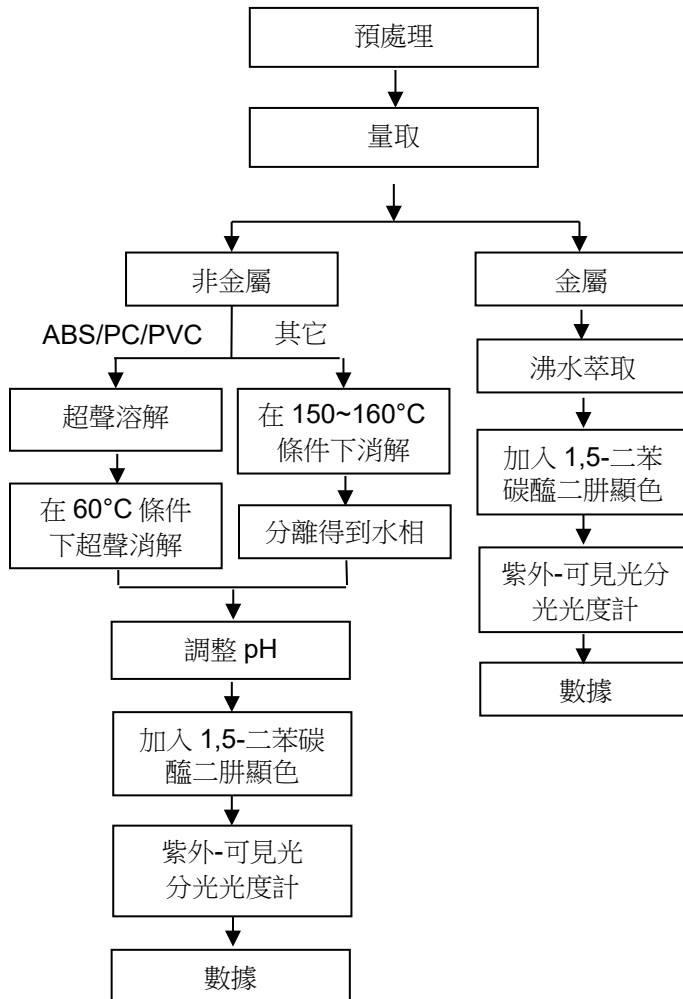


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Hexavalent Chromium (Cr(VI)) Testing Flow Chart



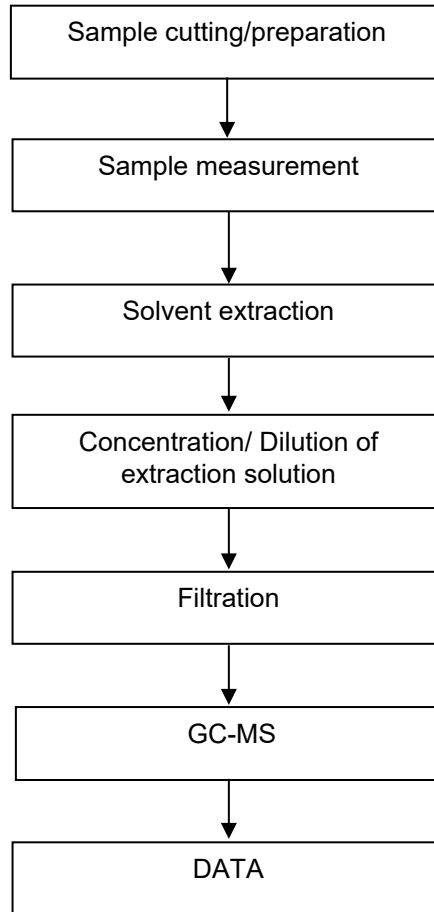
六價鉻檢測流程圖



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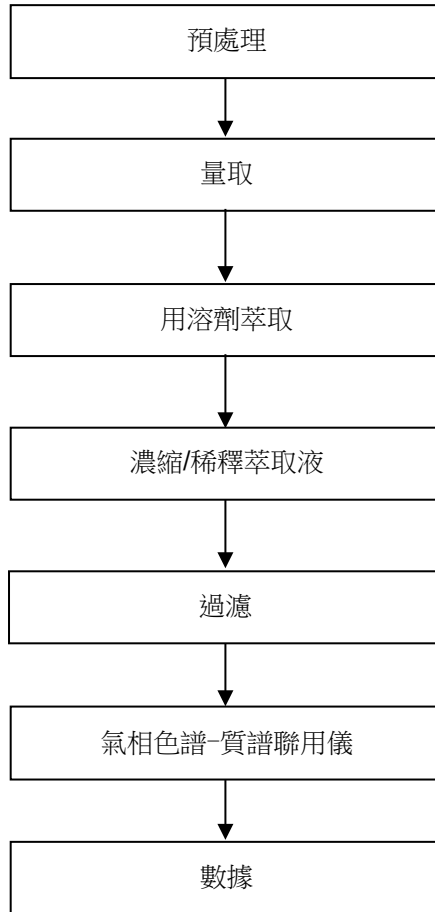
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PBB/PBDE Testing Flow Chart



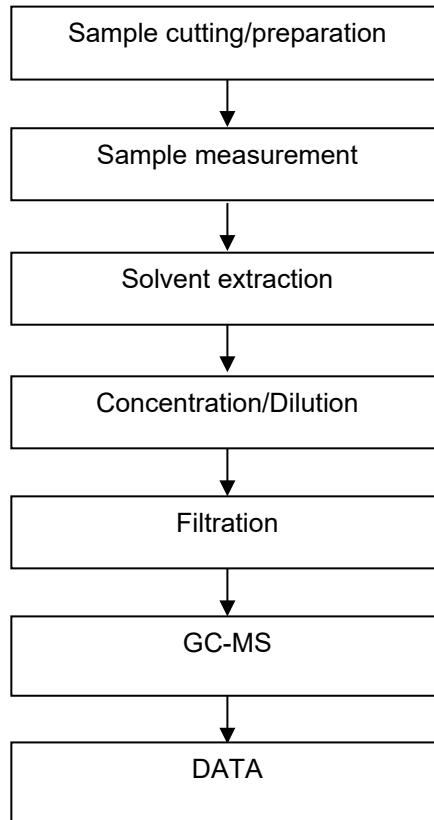
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PBB/PBDE 檢測流程圖



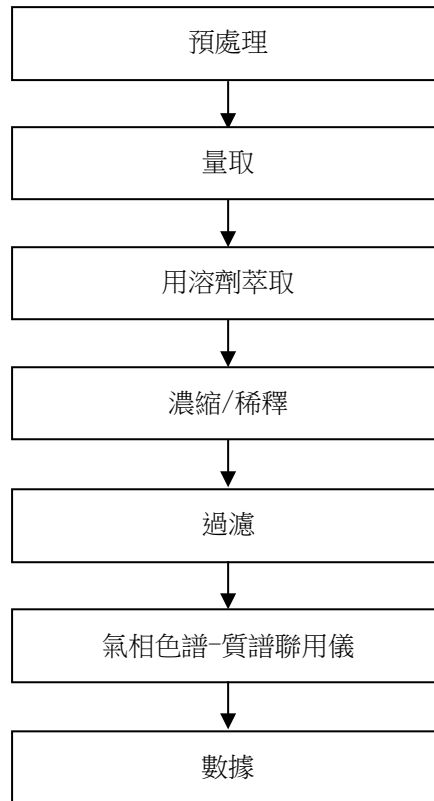
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Phthalates Testing Flow Chart



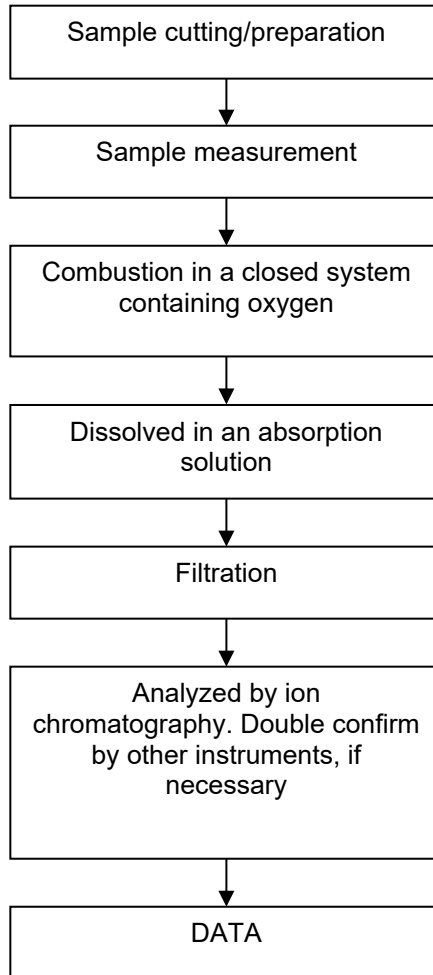
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Phthalates 檢測流程圖



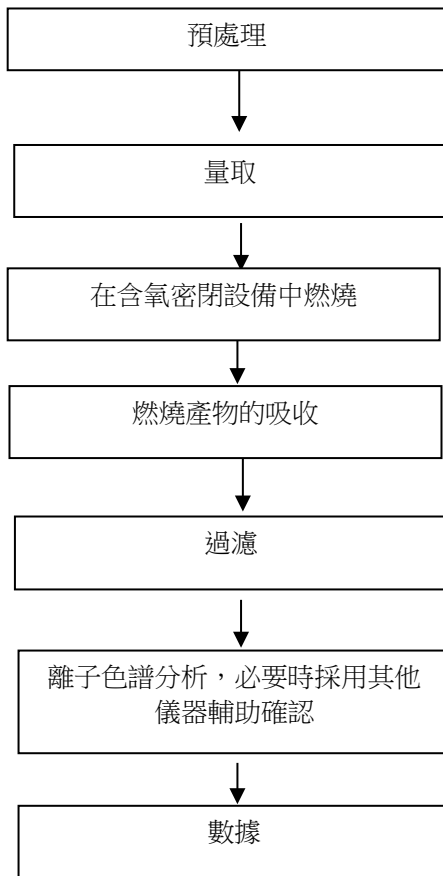
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Halogen Testing Flow Chart



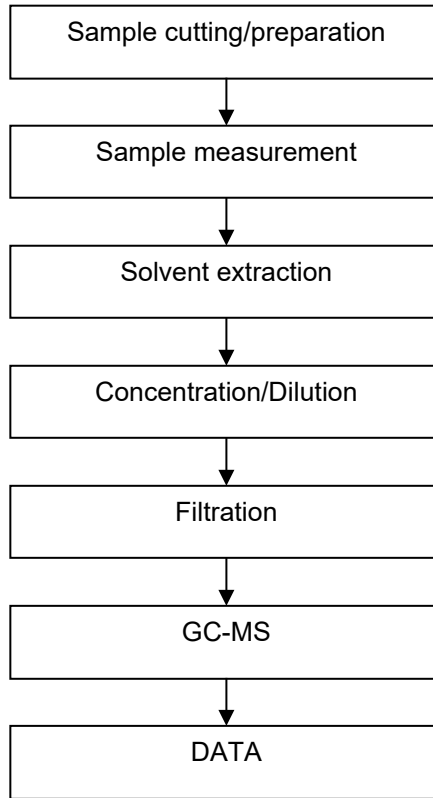
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鹵素檢測流程圖



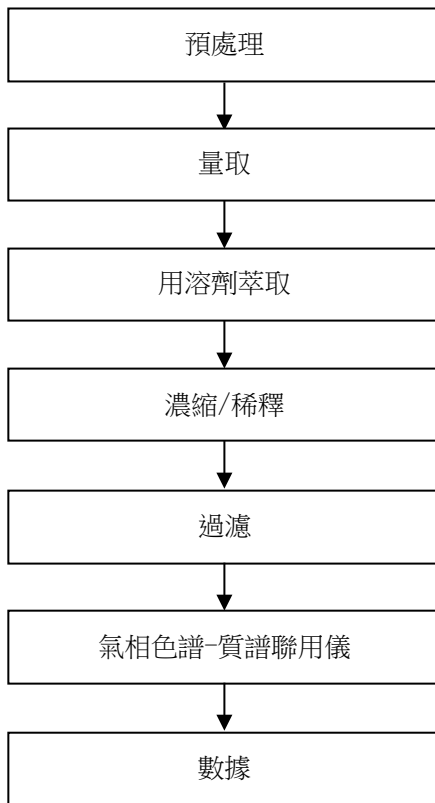
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HBCDD Testing Flow Chart



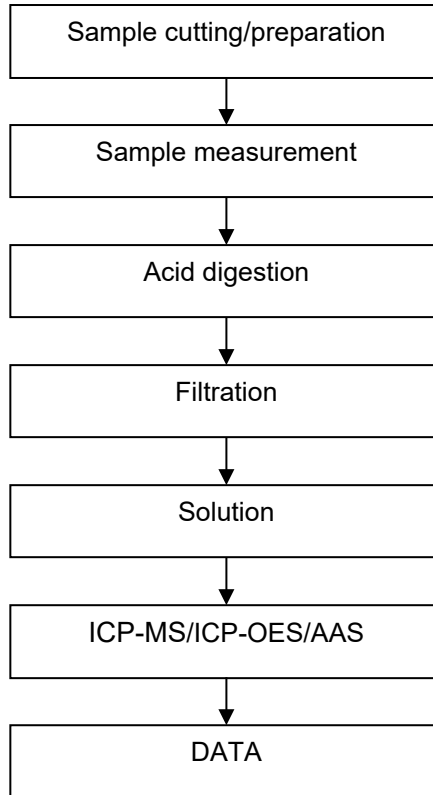
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HBCDD 檢測流程圖



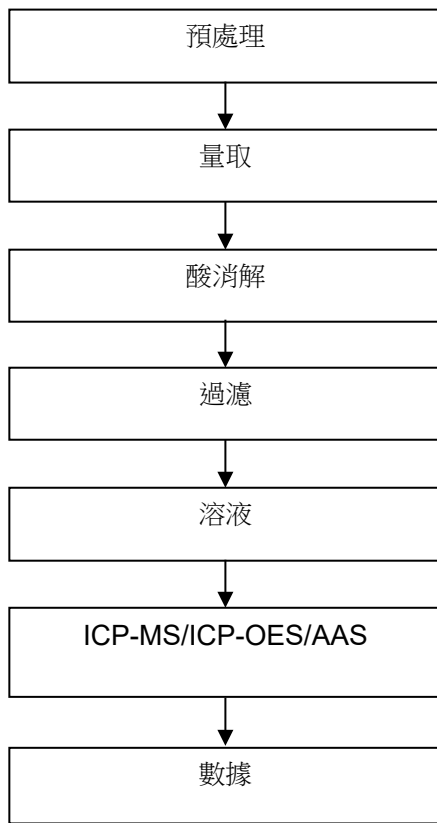
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Elements Testing Flow Chart



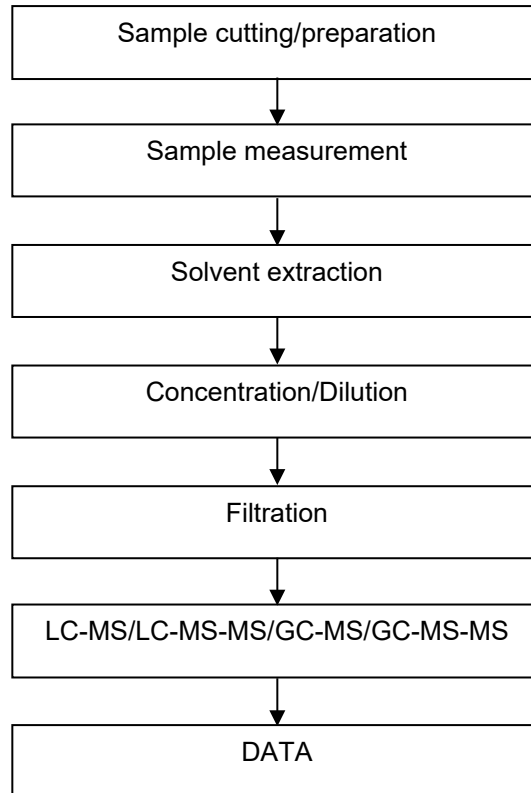
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元素檢測流程圖



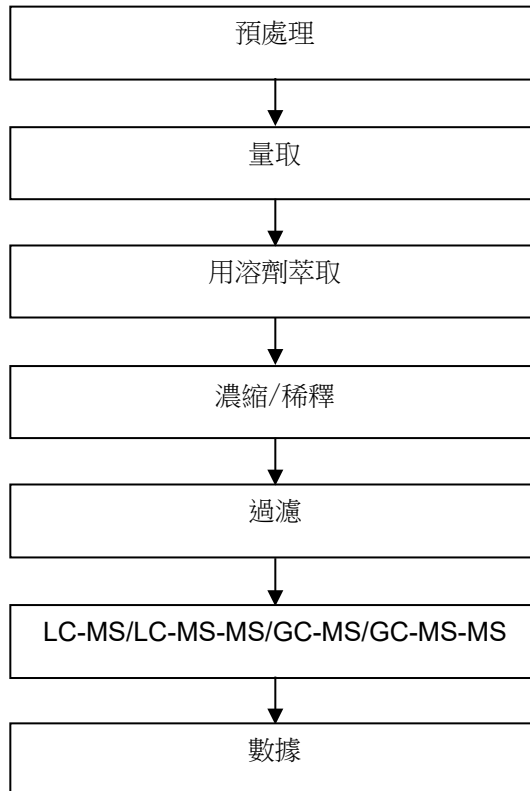
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PFASs/ PFOS/PFOA Testing Flow Chart



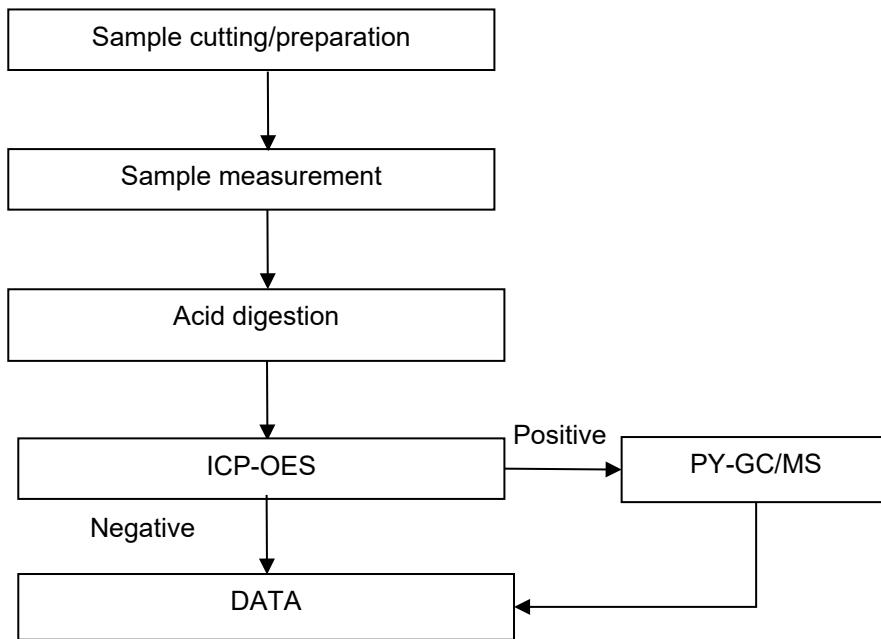
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PFASs/ PFOS/PFOA 檢測流程圖



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Red phosphorus Testing Flow Chart

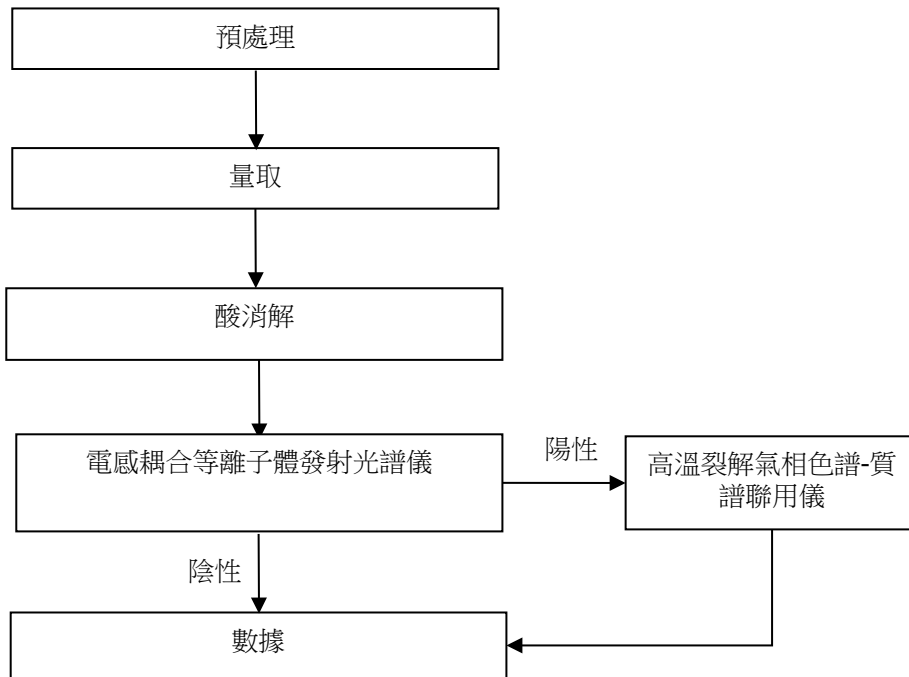


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紅磷檢測流程圖



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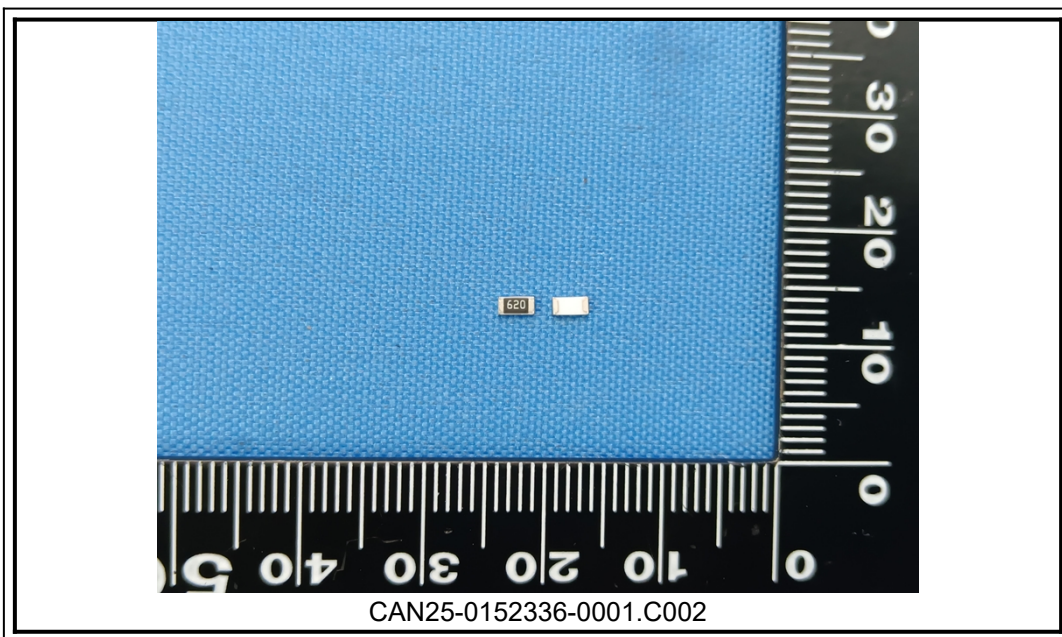
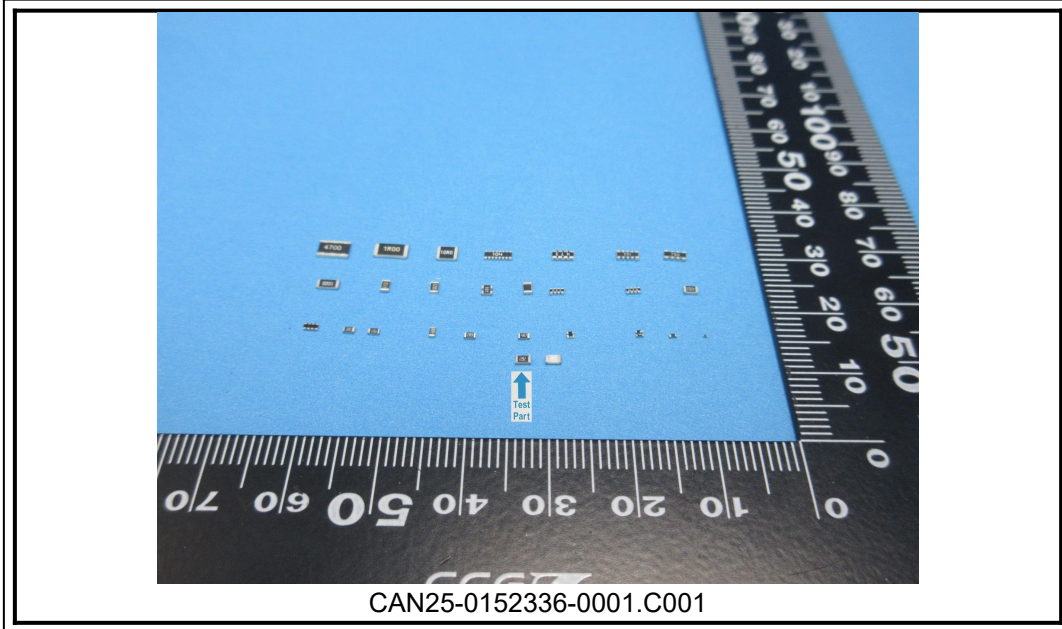
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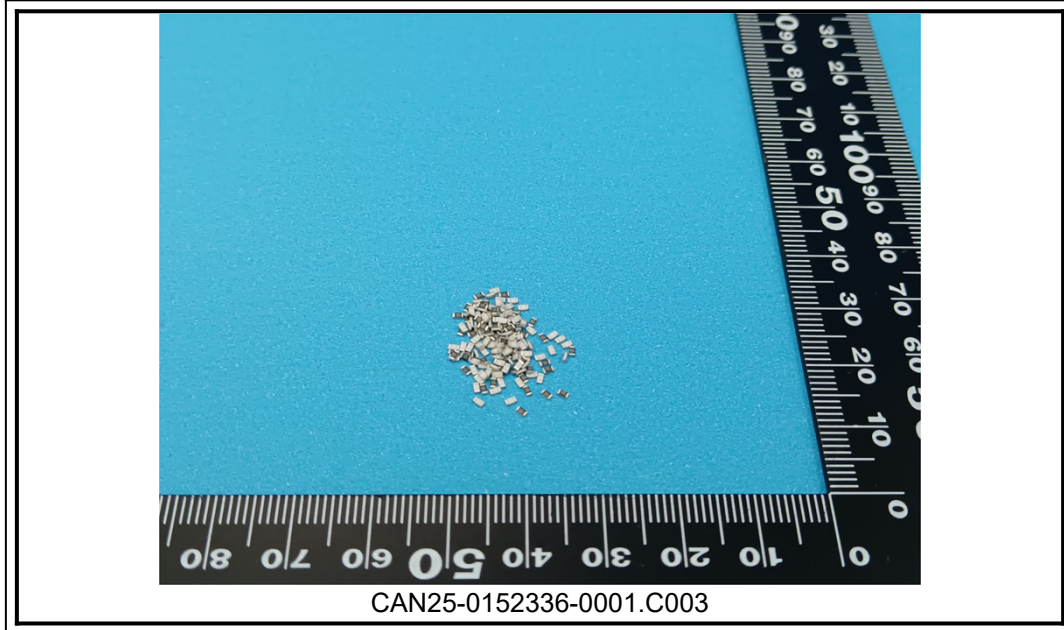
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