

試驗報告

號碼：KA/2018/12041A-01

日期：2018/2/9

頁數：1 of 40

台灣塑膠工業股份有限公司-高雄林園區
高雄市林園區石化一路1號

以下測試樣品係由申請廠商所提供及確認：

樣品名稱：無規共聚物聚丙烯
樣品顏色：透明微白色
樣品型號：5003,5018,5018T,5020,5030,5050,5050M,5050R,5050S,
5060,5060T,5070,5071,5090T,5090R,5200U,5200XT,5250T,
5350T,5450XT.
樣品材質：無規共聚物聚丙烯
收件日期：2018/01/30
測試期間：2018/01/30 TO 2018/2/9
送樣廠商：台灣塑膠工業股份有限公司

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測試結果：請見下一頁。

張伯睿
SGS TAIWAN LTD
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報告簽署人/張伯睿 博士/技術經理

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

測試結果

測試部位 No.1 : 透明塑膠粒

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|---------------|-------|---|-------------|------|
| | | | | No.1 |
| 鎘 | mg/kg | 參考 IEC 62321-5: 2013 方法, 以感應耦合電漿原子發射光譜儀 (ICP-AES) 檢測。 | 2 | n.d. |
| 鉛 | mg/kg | 參考 IEC 62321-5: 2013 方法, 以感應耦合電漿原子發射光譜儀 (ICP-AES) 檢測。 | 2 | n.d. |
| 汞 | mg/kg | 參考 IEC 62321-4: 2013 方法, 以感應耦合電漿原子發射光譜儀 (ICP-AES) 檢測。 | 2 | n.d. |
| 六價鉻 | mg/kg | 參考 IEC 62321-7-2:2017, 以 UV-VIS 檢測。 | 8 | n.d. |
| 多溴聯苯總和 | mg/kg | 參考 IEC 62321-6: 2015 方法, 以氣相層析/質譜儀 (GC/MS) 檢測。 | - | n.d. |
| 一溴聯苯 | mg/kg | | 5 | n.d. |
| 二溴聯苯 | mg/kg | | 5 | n.d. |
| 三溴聯苯 | mg/kg | | 5 | n.d. |
| 四溴聯苯 | mg/kg | | 5 | n.d. |
| 五溴聯苯 | mg/kg | | 5 | n.d. |
| 六溴聯苯 | mg/kg | | 5 | n.d. |
| 七溴聯苯 | mg/kg | | 5 | n.d. |
| 八溴聯苯 | mg/kg | | 5 | n.d. |
| 九溴聯苯 | mg/kg | | 5 | n.d. |
| 十溴聯苯 | mg/kg | | 5 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|-------------------------------|-------|---|-------------|------|
| | | | | No.1 |
| 多溴聯苯醚總和 | mg/kg | 參考IEC 62321-6: 2015方法, 以氣相層析/質譜儀(GC/MS)檢測. | - | n.d. |
| 一溴聯苯醚 | mg/kg | | 5 | n.d. |
| 二溴聯苯醚 | mg/kg | | 5 | n.d. |
| 三溴聯苯醚 | mg/kg | | 5 | n.d. |
| 四溴聯苯醚 | mg/kg | | 5 | n.d. |
| 五溴聯苯醚 | mg/kg | | 5 | n.d. |
| 六溴聯苯醚 | mg/kg | | 5 | n.d. |
| 七溴聯苯醚 | mg/kg | | 5 | n.d. |
| 八溴聯苯醚 | mg/kg | | 5 | n.d. |
| 九溴聯苯醚 | mg/kg | | 5 | n.d. |
| 十溴聯苯醚 | mg/kg | | 5 | n.d. |
| 鉍 | mg/kg | 參考US EPA 3052方法, 用感應耦合電漿原子發射光譜儀(ICP-AES)檢測鉍含量. | 2 | n.d. |
| 氧化鉍 (BeO)*** | mg/kg | 參考US EPA 3052方法, 用感應耦合電漿原子發射光譜儀(ICP-AES)檢測鉍含量. | - | n.d. |
| 砷(※2) | % | 參考SGS內部方法RSTS-EE-SVHC-007, 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測. | 0.005 | n.d. |
| 三氧化二砷*** (CAS No.: 1327-53-3) | % | 參考SGS內部方法RSTS-EE-SVHC-007, 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測. | - | n.d. |
| 五氧化二砷*** (CAS No.: 1303-28-2) | % | 參考SGS內部方法RSTS-EE-SVHC-007, 以感應耦合電漿原子發射光譜儀(ICP-AES)檢測. | - | n.d. |
| 二氯化鉍 (CAS No.: 7646-79-9) | mg/kg | 參考SGS內部方法RSTS-EE-SVHC-007, 以感應耦合電漿原子發射光譜儀檢測. | 50 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|---|-------|--|-------------|------|
| | | | | No.1 |
| 多氯聯苯 / Polychlorinated Biphenyls (PCBs) | mg/kg | 參考US EPA 3550C方法，以氣相層析質譜儀 (GC/MS) 檢測。 | 0.5 | n.d. |
| 多氯萘 / Polychlorinated Naphthalene (PCNs) | mg/kg | 參考US EPA 3550C方法，以氣相層析質譜儀 (GC/MS) 檢測。 | 5 | n.d. |
| 多氯三聯苯 / Polychlorinated Terphenyls (PCTs) | mg/kg | 參考US EPA 3550C方法，以氣相層析質譜儀 (GC/MS) 檢測。 | 0.5 | n.d. |
| 短鏈氯化石蠟 (C10~C13) (CAS No.: 85535-84-8) | % | 參考US EPA 3550C方法，以氣相層析儀/電子補捉偵測器 (GC/ECD) 檢測。 | 0.01 | n.d. |
| 甲醛 (CAS No.: 50-00-0) | mg/kg | 參考ISO 17226-1方法，以高效液相層析儀/二極體陣列偵測器檢測。 | 3 | n.d. |
| 富馬酸二甲酯 (CAS No.: 624-49-7) | mg/kg | 參考US EPA 3550C方法，以氣相層析質譜儀 (GC/MS) 檢測。 | 0.1 | n.d. |
| 六溴環十二烷及所有主要被辨別出的異構物 (HBCDD) (α -HBCDD, β -HBCDD, γ -HBCDD) (CAS No.: 25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)) | mg/kg | 參考IEC 62321: 2008方法，以氣相層析/質譜儀檢測。 | 5 | n.d. |
| N-苯基苯胺與苯乙烯和2,4,4-三甲基戊烯的反應物 (BNST) (CAS No.: 68921-45-9) | mg/kg | 參考US EPA 3550C方法，以氣相層析/質譜儀檢測。 | 100 | n.d. |
| 2-(3',5'-二叔丁基-2'-羟基苯基)苯並三氮唑 (CAS No.: 3846-71-7) | mg/kg | 參考US EPA 3550C方法，以氣相層析質譜儀 (GC/MS) 檢測。 | 5 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|--|-----------|---|-------------|-----------|
| | | | | No.1 |
| 放射性物質 | μSv/ hour | 蓋革計數器 | - | Negative* |
| 聚氯乙烯(PVC) | ** | 以紅外光譜分析及焰色法檢測。 | - | Negative |
| 全氟辛烷磺酸 (PFOS) | mg/kg | 參考US EPA 3550C: 2007方法, 以液相層析/ 質譜儀檢測。 | 10 | n.d. |
| 全氟辛酸(銨) / PFOA (CAS No.: 335-67-1) | mg/kg | | 10 | n.d. |
| 鹵素(溴) (CAS No.: 10097-32-2) | mg/kg | 參考BS EN 14582:2016, 以離子層析儀分析。 | 50 | n.d. |
| 鹵素(氯) (CAS No.: 22537-15-1) | mg/kg | | 50 | n.d. |
| 磷酸三(2-氯乙基)酯(TCEP) (CAS No.: 115-96-8) | mg/kg | 參考US EPA 3550C方法, 以氣相層析質譜儀 (GC/MS)檢測。 | 5 | n.d. |
| 鄰酸三(1-氯-2-丙基)酯(TCPP) (CAS NO.: 13674-84-5) | mg/kg | | 5 | n.d. |
| 鄰酸三(1,3-二氯-2-丙基)酯(TDCPP) (CAS NO.: 13674-87-8) | mg/kg | | 5 | n.d. |
| 石棉 | | | | |
| 陽起石綿 (CAS No.: 77536-66-4) | % | 參考EPA 600/R-93/116:1993 / 立體顯微鏡 (SM), 分散染色式偏光顯微鏡 (DS-PLM)及X光 繞射光譜分析法 (XRD)。 | - | Negative |
| 斜方角閃石綿 (CAS No.: 77536-67-5) | % | | - | Negative |
| 鐵石綿(褐石綿) (CAS No.: 12172-73-5) | % | | - | Negative |
| 溫石綿(白石綿) (CAS No.: 12001-29-5) | % | | - | Negative |
| 青石綿 (CAS No.: 12001-28-4) | % | | - | Negative |
| 透閃石綿 (CAS No.: 77536-68-6) | % | | - | Negative |

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 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|--|-------|---|-------------|------|
| | | | | No.1 |
| 三丁基錫 (TBT) | mg/kg | 本測試參考ISO 17353: 2004方法, 以氣相層析儀/火焰光度偵測器檢測。 | 0.03 | n.d. |
| 三苯基錫 (TphT) | mg/kg | | 0.03 | n.d. |
| 二丁基錫 (DBT) | mg/kg | | 0.03 | n.d. |
| 二辛基錫 (DOT) | mg/kg | | 0.03 | n.d. |
| 鄰苯二甲酸丁苯甲酯 (CAS No.: 85-68-7) | mg/kg | 參考IEC 62321-8:2017, 以氣相層析儀/質譜儀檢測。 | 50 | n.d. |
| 鄰苯二甲酸二丁酯 (CAS No.: 84-74-2) | mg/kg | | 50 | n.d. |
| 鄰苯二甲酸二(2-乙基己基)酯 (CAS No.: 117-81-7) | mg/kg | | 50 | n.d. |
| 鄰苯二甲酸二異丁酯 (CAS No.: 84-69-5) | mg/kg | | 50 | n.d. |
| 鄰苯二甲酸二異癸酯 (CAS No.: 26761-40-0, 68515-49-1) | mg/kg | | 50 | n.d. |
| 鄰苯二甲酸二異壬酯 (CAS No.: 28553-12-0, 68515-48-0) | mg/kg | | 50 | n.d. |
| 鄰苯二甲酸二正辛酯 (CAS No.: 117-84-0) | mg/kg | | 50 | n.d. |
| 鄰苯二甲酸二己酯 (CAS No.: 84- 75-3) | mg/kg | | 50 | n.d. |

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 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|---------------------------------------|-------|--|-------------|------|
| | | | | No.1 |
| 偶氮 (AZO) | | | | |
| 1): 4-氨基二苯 (CAS No.: 92-67-1) | mg/kg | 本測試參考LFGB BVL B 82.02-2方法, 以氣相層析質譜儀/高效液相層析儀二極體陣列偵測器檢測。 | 3 | n.d. |
| 2): 聯苯胺 (CAS No.: 92-87-5) | mg/kg | | 3 | n.d. |
| 3): 4-氯鄰甲苯胺 (CAS No.: 95-69-2) | mg/kg | | 3 | n.d. |
| 4): 2-萘胺 (CAS No.: 91-59-8) | mg/kg | | 3 | n.d. |
| 5): 鄰氨基二甲基偶氮 (CAS No.: 97-56-3) | mg/kg | | 3 | n.d. |
| 6): 對硝基鄰甲苯胺 (CAS No.: 99-55-8) | mg/kg | | 3 | n.d. |
| 7): 對氯苯胺 (CAS No.: 106-47-8) | mg/kg | | 3 | n.d. |
| 8): 4-甲氧基-間苯二胺 (CAS No.: 615-05-4) | mg/kg | | 3 | n.d. |
| 9): 4,4'-二氨基二苯甲烷 (CAS No.: 101-77-9) | mg/kg | | 3 | n.d. |
| 10): 3,3'-二氯聯苯胺 (CAS No.: 91-94-1) | mg/kg | | 3 | n.d. |
| 11): 3,3'-二甲氧基聯苯胺 (CAS No.: 119-90-4) | mg/kg | | 3 | n.d. |
| 12): 3,3'-二甲基聯苯胺 (CAS No.: 119-93-7) | mg/kg | | 3 | n.d. |

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 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|--|-------|---|-------------|------|
| | | | | No.1 |
| 13): 3,3'-二甲基-4,4'-二氨基二 苯甲烷 (CAS No.: 838-88-0) | mg/kg | 本測試參考LFGB BVL B 82.02-2方法，以氣相 層析質譜儀/高效液相層析儀二極體陣列偵測 器檢測。 | 3 | n.d. |
| 14): 2-甲氧基-5-甲基聯苯 (CAS No.: 120-71-8) | mg/kg | | 3 | n.d. |
| 15): 4,4'-亞甲基雙 (氣苯胺) (CAS No.: 101-14-4) | mg/kg | | 3 | n.d. |
| 16): 4,4'-氧化雙苯胺 (CAS No.: 101-80-4) | mg/kg | | 3 | n.d. |
| 17): 4,4'-硫代雙苯胺 (CAS No.: 139-65-1) | mg/kg | | 3 | n.d. |
| 18): 鄰甲苯胺 (CAS No.: 95-53- 4) | mg/kg | | 3 | n.d. |
| 19): 2,4-二氨基甲苯 (CAS No.: 95-80-7) | mg/kg | | 3 | n.d. |
| 20): 2,4,5-三甲基苯胺 (CAS No.: 137-17-7) | mg/kg | | 3 | n.d. |
| 21): 鄰位甲氧基苯胺 (CAS No.: 90-04-0) | mg/kg | | 3 | n.d. |
| 22): 對氨基偶氮苯 (CAS No.: 60-09-3) | mg/kg | | 3 | n.d. |
| 23): 2,4-二甲基苯胺 (CAS No.: 95-68-1) | mg/kg | | 3 | n.d. |
| 24): 2,6-二甲基苯胺 (CAS No.: 87-62-7) | mg/kg | | 3 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|------------------------------|-------|---|-------------|------|
| | | | | No.1 |
| 多環芳香煙 (PAHs) | | | | |
| 芘 (CAS No.: 83-32-9) | mg/kg | 參考AfPS GS 2014:01 PAK方法，以氣相層析/ 質譜儀(GC/MS)檢測。 | 0.2 | n.d. |
| 芘烯 (CAS No.: 208-96-8) | mg/kg | | 0.2 | n.d. |
| 蔥 (CAS No.: 120-12-7) | mg/kg | | 0.2 | n.d. |
| 苯駢蔥 (CAS No.: 56-55-3) | mg/kg | | 0.2 | n.d. |
| 苯駢(a)芘 (CAS No.: 50-32-8) | mg/kg | | 0.2 | n.d. |
| 苯(b)苯駢芴 (CAS No.: 205-99-2) | mg/kg | | 0.2 | n.d. |
| 苯駢芘 (CAS No.: 191-24-2) | mg/kg | | 0.2 | n.d. |
| 苯(k)苯駢芴 (CAS No.: 207-08-9) | mg/kg | | 0.2 | n.d. |
| Chrysene (CAS No.: 218-01-9) | mg/kg | | 0.2 | n.d. |
| 二苯駢蔥 (CAS No.: 53-70-3) | mg/kg | | 0.2 | n.d. |
| 苯駢芴 (CAS No.: 206-44-0) | mg/kg | | 0.2 | n.d. |
| 芴 (CAS No.: 86-73-7) | mg/kg | | 0.2 | n.d. |
| 蒽酮芘 (CAS No.: 193-39-5) | mg/kg | | 0.2 | n.d. |
| 萘 (CAS No.: 91-20-3) | mg/kg | | 0.2 | n.d. |
| 菲 (CAS No.: 85-01-8) | mg/kg | | 0.2 | n.d. |
| 芘 (CAS No.: 129-00-0) | mg/kg | | 0.2 | n.d. |
| 苯(j)苯駢芴 (CAS No.: 205-82-3) | mg/kg | | 0.2 | n.d. |
| 苯駢(e)芘 (CAS No.: 192-97-2) | mg/kg | | 0.2 | n.d. |
| 多環芳香煙18項總和 | mg/kg | - | - | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|--|-------|--|-------------|------|
| | | | | No.1 |
| 氫氟碳化物 (HFCs) | | | | |
| 氫氟碳化物-23 (CHF ₃)(CAS No.: 75-46-7) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氫氟碳化物-32 (CH ₂ F ₂)(CAS No.: 75-10-5) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氫氟碳化物-41 (CH ₃ F)(CAS No.: 593-53-3) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氫氟碳化物-43-10mee (C ₅ H ₂ F ₁₀) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氫氟碳化物-125 (C ₂ H ₅ F) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氫氟碳化物-134 (C ₂ H ₂ F ₄) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氫氟碳化物-134a (CH ₂ FCF ₃)(CAS No.: 811-97-2) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氫氟碳化物-143 (CH ₃ F ₃) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氫氟碳化物-143a (CH ₃ F ₃) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氫氟碳化物-152a (C ₂ H ₄ F ₂)(CAS No.: 75-37-6) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氫氟碳化物-227ea (C ₃ H ₇ F)(CAS No.: 431-89-0) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氫氟碳化物-236ea (C ₃ H ₂ F ₆)(CAS No.: 431-63-0) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|--------------------------------|-------|-------------------------------------|-------------|------|
| | | | | No.1 |
| 氫氟碳化物-236fa (C3H2F6) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀(GC/MS)檢測。 | 1 | n.d. |
| 氫氟碳化物-245ca (C3H3F5) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀(GC/MS)檢測。 | 1 | n.d. |
| 氫氟碳化物-245fa (C3H3F5) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀(GC/MS)檢測。 | 1 | n.d. |
| 氫氟碳化物-365mf c (C4H5F5) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀(GC/MS)檢測。 | 1 | n.d. |
| 全氟碳化物 (PFCs) | | | | |
| 四氟甲烷 (CAS No.: 75-73-0) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀(GC/MS)檢測。 | 1 | n.d. |
| 六氟乙烷 (CAS No.: 76-16-4) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀(GC/MS)檢測。 | 1 | n.d. |
| 八氟丙烷 (CAS No.: 76-19-7) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀(GC/MS)檢測。 | 1 | n.d. |
| 十氟丁烷 (CAS No.: 355-25-9) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀(GC/MS)檢測。 | 1 | n.d. |
| 八氟環丁烷 (CAS No.: 115-25-3) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀(GC/MS)檢測。 | 1 | n.d. |
| 全氟-1-丁烯 (CAS No.: 357-26-6) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀(GC/MS)檢測。 | 1 | n.d. |
| 全氟異丁烯 (CAS No.: 382-21-8) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀(GC/MS)檢測。 | 1 | n.d. |
| 1,4-二氫八氟丁烷 (CAS No.: 377-36-6) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀(GC/MS)檢測。 | 1 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|-------------------------------|-------|--|-------------|------|
| | | | | No.1 |
| 2-全氟甲基丁烷 (CAS No.: 594-91-2) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 全氟戊烷 (CAS No.: 678-26-2) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 2-全氟甲基戊烷 (CAS No.: 355-04-4) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 全氟己烷 (CAS No.: 355-42-0) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯碳化物 (CFCs) | | | | |
| Group I | | | | |
| 氟氯碳化物 (CAS No.: 75-69-4) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯碳化物 (CAS No.: 75-71-8) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯碳化物 (CAS No.: 76-13-1) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯碳化物 (CAS No.: 76-14-2) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯碳化物 (CAS No.: 76-15-3) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| Group III | | | | |
| 氟氯碳化物-13 (CAS No.: 75-72-9) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯碳化物-111 (CAS No.: 354-56-3) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|---------------------------------|-------|--|-------------|------|
| | | | | No.1 |
| 氟氯碳化物-112 (CAS No.: 76-12-0) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯碳化物-211 (CAS No.: 422-78-6) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯碳化物-212 (CAS No.: 3182-26-1) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯碳化物-213 (CAS No.: 2354-06-5) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯碳化物-214 (CAS No.: 29255-31-0) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯碳化物-215 (CAS No.: 4259-43-2) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯碳化物-216 (CAS No.: 661-97-2) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯碳化物-217 (CAS No.: 422-86-6) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物 (HCFCs) | | | | |
| 氟氯氫碳化物-21 (CAS No.: 75-43-4) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-22 (CAS No.: 75-45-6) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-31 (CAS No.: 593-70-4) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|----------------------------------|-------|--|-------------|------|
| | | | | No.1 |
| 氟氯氫碳化物-121 (CAS No.: 354-14-3) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-122 (CAS No.: 354-21-2) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-123 (CAS No.: 306-83-2) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-124 (CAS No.: 2837-89-0) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-131 (CAS No.: 359-28-4) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-132b (CAS No.: 1649-08-7) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-133a (CAS No.: 75-88-7) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-141b (CAS No.: 1717-00-6) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-142b (CAS No.: 75-68-3) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-221 (CAS No.: 422-26-4) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-222 (CAS No.: 422-49-1) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-223 (CAS No.: 422-52-6) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-224 (CAS No.: 422-54-8) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|----------------------------------|-------|--|-------------|------|
| | | | | No.1 |
| 氟氯氫碳化物-225ca (CAS No.: 422-56-0) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氟氯氫碳化物-225cb (CAS No.: 507-55-1) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氟氯氫碳化物-226 (CAS No.: 431-87-8) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氟氯氫碳化物-231 (CAS No.: 421-94-3) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氟氯氫碳化物-232 (CAS No.: 460-89-9) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氟氯氫碳化物-233 (CAS No.: 7125-84-0) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氟氯氫碳化物-234 (CAS No.: 425-94-5) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氟氯氫碳化物-235 (CAS No.: 460-92-4) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氟氯氫碳化物-241 (CAS No.: 666-27-3) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氟氯氫碳化物-242 (CAS No.: 460-63-9) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氟氯氫碳化物-243 (CAS No.: 460-69-5) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氟氯氫碳化物-244 | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氟氯氫碳化物-251 (CAS No.: 421-41-0) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|---|-------|--|-------------|------|
| | | | | No.1 |
| 氟氯氫碳化物-252 (CAS No.: 819-00-1) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-253 (CAS No.: 460-35-5) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-261 (CAS No.: 420-97-3) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-262 (CAS No.: 421-02-03) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 氟氯氫碳化物-271 (CAS No.: 430-55-7) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 海龍 | | | | |
| 海龍-1211 (CAS No.: 353-59-3) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 海龍-1301 (CAS No.: 75-63-8) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 海龍-2402 (CAS No.: 124-73-2) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 不完全鹵化氟溴化物 (HBFCs) | | | | |
| 不完全鹵化氟溴化物-21B2 (CHFBr ₂) (CAS No.: 1868-53-7) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 不完全鹵化氟溴化物-22B1 (CHF ₂ Br) (CAS No.: 1511-62-2) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 不完全鹵化氟溴化物-31B1 (CH ₂ FBr) (CAS No.: 373-52-4) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |
| 不完全鹵化氟溴化物-121B4 (C ₂ HFBr ₄) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測. | 1 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|--------------------------------|-------|---|-------------|------|
| | | | | No.1 |
| 不完全鹵化氟溴化物-122B3 (C2HF2Br3) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-123B2 (C2HF3Br2) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-124B1 (C2HF4Br) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-131B3 (C2H2FBr3) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-132B2 (C2H2F2Br2) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-133B1 (C2H2F3Br) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-141B2 (C2H3FBr2) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-142B1 (C2H3F2Br) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-151B1 (C2H4FBr) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-221B6 (C3HFBr6) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-222B5 (C3HF2Br5) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-223B4 (C3HF3Br4) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-224B3 (C3HF4Br3) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|--------------------------------|-------|---|-------------|------|
| | | | | No.1 |
| 不完全鹵化氟溴化物-225B2 (C3HF5Br2) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-226B1 (C3HF6Br) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-231B5 (C3H2FBr5) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-232B4 (C3H2F2Br4) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-233B3 (C3H2F3Br3) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-234B2 (C3H2F4Br2) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-235B1 (C3H2F5Br) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-241B4 (C3H3FBr4) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-242B3 (C3H3F2Br3) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-243B2 (C3H3F3Br2) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-244B1 (C3H3F4Br) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-251B3 (C3H4FBr3) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-252B2 (C3H4F2Br2) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|-------------------------------------|-------|---|-------------|------|
| | | | | No.1 |
| 不完全鹵化氟溴化物-253B1 (C3H4F3Br) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-261B2 (C3H5FBr2) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-262B1 (C3H5F2Br) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 不完全鹵化氟溴化物-271B1 (C3H6FBr) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 氯化碳氫化物 (CHCs) | | | | |
| 1,1,1,2-四氯乙烷 (CAS No.: 630-20-6) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 1,1,1-三氯乙烷 (CAS No.: 71- 55-6) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 1,1,2,2-四氯乙烷 (CAS No.: 79- 34-5) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 1,1,2-三氯乙烷 (CAS No.: 79- 00-5) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 1,1-二氯乙烷 (CAS No.: 75-34- 3) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 1,1-二氯乙烯 (CAS No.: 75-35- 4) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 1,1-二氯丙烯 (CAS No.: 563-58- 6) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |
| 1,2,3-三氯丙烷 (CAS No.: 96- 18-4) | mg/kg | 參考US EPA 5021A方法，以氣相層析質譜儀 (GC/MS)檢測。 | 1 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|----------------------------------|-------|--|-------------|------|
| | | | | No.1 |
| 1,2-二氯乙烷 (CAS No.: 107-06-2) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 1,2-二氯丙烷 (CAS No.: 78-87-5) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 1,3-二氯丙烷 (CAS No.: 142-28-9) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 2,2-二氯丙烷 (CAS No.: 594-20-7) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 四氯甲烷(四氯化碳) (CAS No.: 56-23-5) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氯乙烷 (CAS No.: 75-00-3) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氯仿 (CAS No.: 67-66-3) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 氯甲烷 (CAS No.: 74-87-3) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 順-1,2-二氯乙烯 (CAS No.: 156-59-2) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 順-1,3-二氯丙烯 (CAS No.: 10061-01-5) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 六氯丁二烯 (CAS No.: 87-68-3) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 二氯甲烷 (CAS No.: 75-09-2) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 四氯乙烯 (CAS No.: 127-18-4) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |

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台灣塑膠工業股份有限公司-高雄林園區
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| 測試項目 | 單位 | 測試方法 | 方法偵測 極限值 | 結果 |
|----------------------------------|-------|--|-------------|------|
| | | | | No.1 |
| 反-1,2-二氯乙烯 (CAS No.: 156-60-5) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 反-1,3-二氯丙烯 (CAS No.: 10061-02-6) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 三氯乙烯 (CAS No.: 79-01-6) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 溴甲烷 (CAS No.: 74-83-9) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |
| 六氟化硫 (SF6) (CAS No.: 2551-62-4) | mg/kg | 參考US EPA 5021A方法, 以氣相層析質譜儀 (GC/MS) 檢測。 | 1 | n.d. |

| 測試項目 | 單位 | 測試方法 | 定量極限/ 偵測極限 | 結果 |
|------|-------|-----------------|---------------|------|
| | | | | No.1 |
| 過氯酸鹽 | mg/kg | 以離子層析儀 (IC) 檢測。 | 0.006 | n.d. |

備註：

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n.d. = Not Detected / 未檢出
3. MDL = Method Detection Limit / 方法偵測極限值
4. "-" = Not Regulated / 無規格值
5. **定性分析(無單位)
6. Negative / 陰性(未偵測到), Positive / 陽性(已偵測到)
7. 石棉定性分析試驗範圍：<0.1%~100%，石棉鑑定的判定基準是以檢出含有石棉纖維為『Positive』，未檢出石棉纖維為『Negative』。
8. ***: 該物質是由"二辛基錫", "單辛基錫", "鉍", "硼"及"砷"元素之測試結果計算得知。其MDL是針對"二辛基錫", "單辛基錫", "鉍", "硼"及"砷"元素之評估。
9. F 參數換算表: http://twap.sgs.com/sgsrsts/chn/download-REACH_tw.asp

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10. 鍍青銅是一種主要成份為鍍及銅的合金，當偵測不到總鍍含量時，亦表示不含鍍青銅。
11. 若該測試項目屬於定量分析則以「定量極限」表示；若該測試項目屬於定性分析則以「偵測極限」表示。
12. Negative*/Positive*：蓋革計數器偵測放射性物質的檢測結果係利用檢測值與環境背景值相比較的結果，一般天然環境下都存在微量的輻射劑量（一般環境背景背景輻射劑量約小於等於 0.2 μ Sv/hr）。如果檢測值低於環境背景值時，表示正常或無異常(Negative*)；相反地，檢測值高於環境背景值時，表示異常(Positive*)。
13. (※2)：被萃取出之溶出砷是以感應耦合電漿原子發射光譜儀檢測得之。
14. 低於定量極限之測定值以 "N.D." 表示；低於偵測極限之測定值以 " 陰性 " 表示。
15. 此為2018/02/06所發行KA/2018/12041之加發報告，原始資料請參考KA/2018/12041。

PFOS參考資訊：持久性有機污染物 POPs - (EU) 757/2010

PFOS濃度在物質或製備中不得超過0.001%(10ppm)，在半成品、成品或零部件中不得超過0.1%(1000ppm)，在紡織品或塗層材料中不得超過1 μ g/m²。

全氟辛烷磺酸指全氟辛烷磺酸和它的衍生物包括全氟辛烷磺酸，全氟辛基磺醯胺，N-甲基全氟辛烷磺醯胺，N-乙基全氟辛烷磺醯胺，N-甲基全氟辛基磺醯基氨基乙醇，N-乙基全氟辛基磺醯基氨基乙醇。

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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

德國產品安全委員會(AfPS) GS PAHs 要求：

| 項目 | 第1類 | 第2類 | | 第3類 | |
|--------------------------|------------------------------|-------------------------------------|----------------|--|----------------|
| | 意圖放入嘴內的材料或玩具會與皮膚有所接觸(超過30秒). | 不屬於第1類的材料並可預見與皮膚接觸逾30秒(長期或經常與皮膚接觸). | | 可預見與皮膚接觸短於30秒(短期與皮膚接觸), 以及不屬於第1類或第2類的材料. | |
| | | 列於2009/48/EC之玩具 | 列於德國產品安全法之其他產品 | 列於2009/48/EC之玩具 | 列於德國產品安全法之其他產品 |
| Naphthalene | < 1 | < 2 | | < 10 | |
| Acenaphthylene | < 1 Sum | < 5 Sum | < 10 Sum | < 20 Sum | < 50 Sum |
| Acenaphthene | | | | | |
| Fluorene | | | | | |
| Phenanthrene | | | | | |
| Anthracene | | | | | |
| Fluoranthene | | | | | |
| Pyrene | | | | | |
| Benzo[a]anthracene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Chrysene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo[b]fluoranthene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo[j]fluoranthene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo[k]fluoranthene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo[a]pyrene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo[e]pyrene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Indeno[1,2,3-c,d] pyrene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Dibenzo[a,h]anthracene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo[g,h,i]perylene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| 18項PAH總濃度 | < 1 | < 5 | < 10 | < 20 | < 50 |

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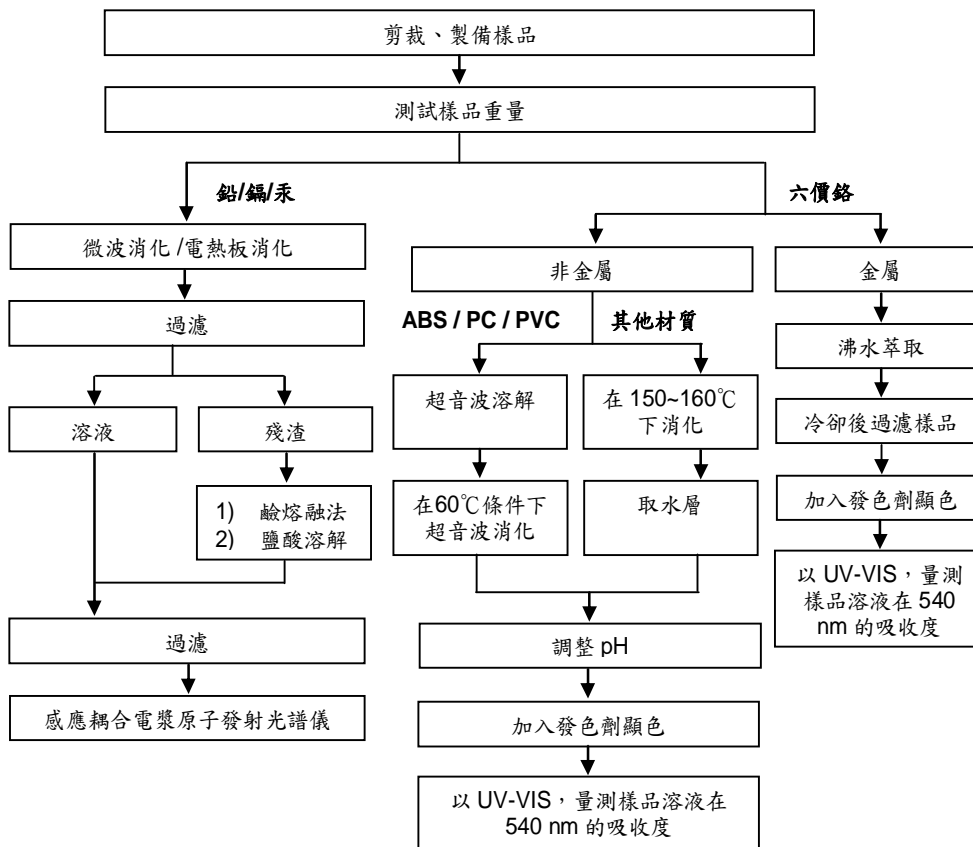
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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

重金屬流程圖

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）

- 測試人員：劉俊宏
- 測試負責人：張伯睿



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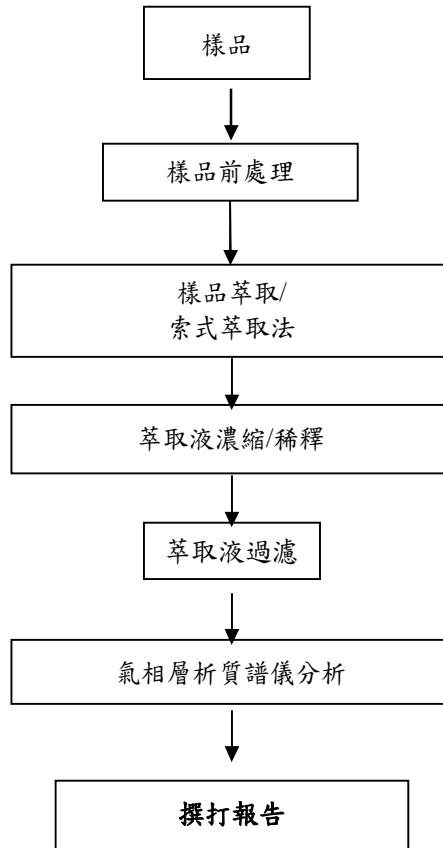
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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

多溴聯苯/多溴聯苯醚分析流程圖

- 1) 測試人員：陳威錚
- 2) 測試負責人：張伯睿



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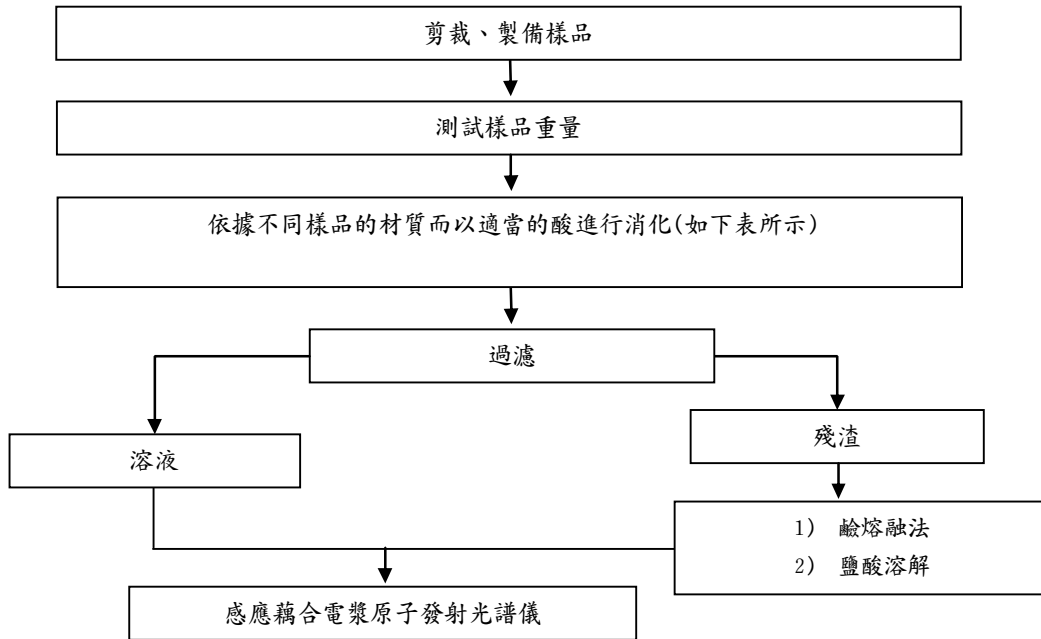
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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

- 1) 根據以下的流程圖之條件，樣品已完全溶解。
- 2) 測試人員：劉俊宏
- 3) 測試負責人：張伯睿

元素以 ICP-AES 分析的消化流程圖



| | |
|-------------|----------------------|
| 鋼, 銅, 鋁, 焊錫 | 王水, 硝酸, 鹽酸, 氫氟酸, 雙氧水 |
| 玻璃 | 硝酸, 氫氟酸 |
| 金, 鉑, 鈀, 陶瓷 | 王水 |
| 銀 | 硝酸 |
| 塑膠 | 硫酸, 雙氧水, 硝酸, 鹽酸 |
| 其他 | 加入任何酸至完全溶解 |

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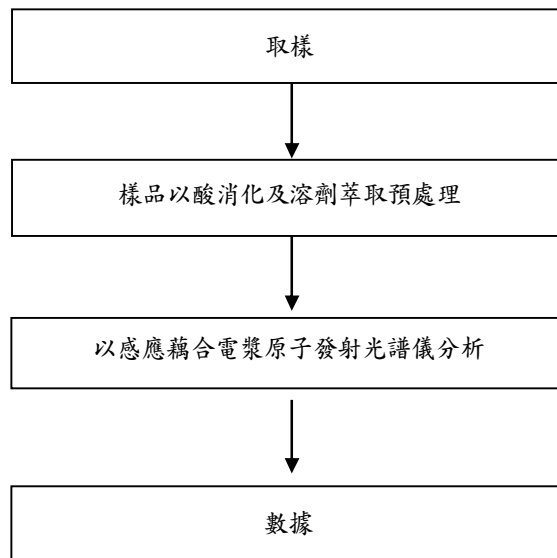
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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

二氯化鈷分析流程圖

- 1) 測試人員：劉俊宏
- 2) 測試負責人：張伯睿



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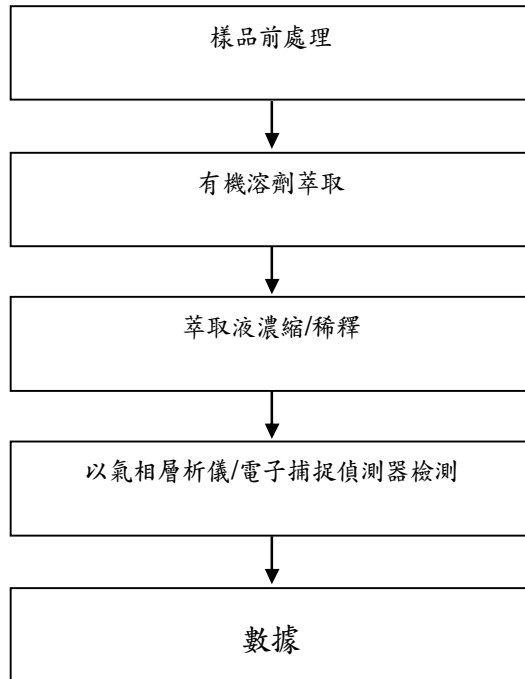
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台灣塑膠工業股份有限公司-高雄林園區
高雄市林園區石化一路1號

含氯阻燃劑分析流程

- 1) 測試人員：陳威錚
- 2) 測試負責人：張伯睿

- 參考方法: US EPA 3550C
- 測試項目: 多氯聯苯, 氯化石蠟, 中鏈氯化石蠟



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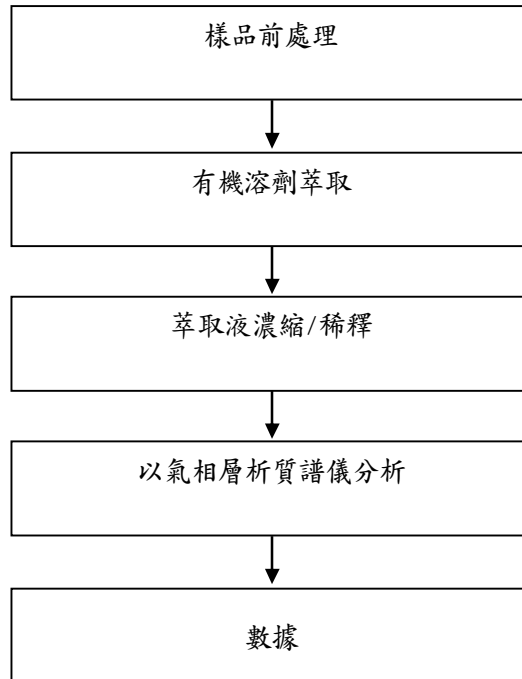
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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

含氟阻燃劑分析流程

- 1) 測試人員：陳威錚
- 2) 測試負責人：張伯睿

- 參考方法: US EPA 3550C
- 測試項目: 多氟奈, 多氟三聯苯, 滅蟻靈,



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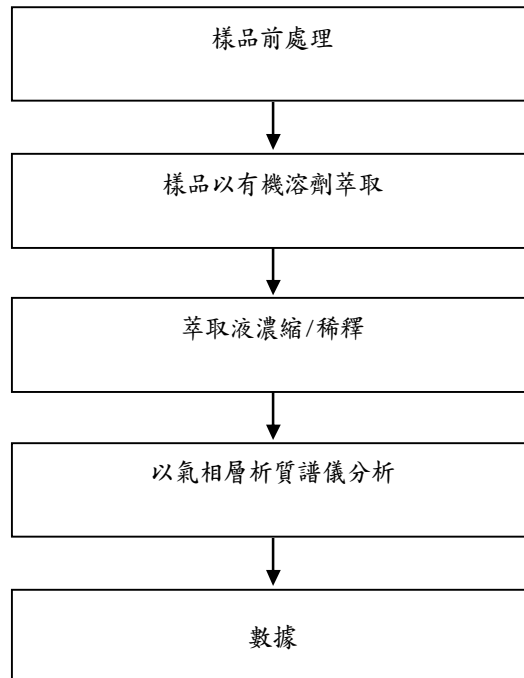
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台灣塑膠工業股份有限公司-高雄林園區
高雄市林園區石化一路1號

富馬酸二甲酯分析流程圖

- 1) 測試人員：陳威錚
- 2) 測試負責人：張伯睿



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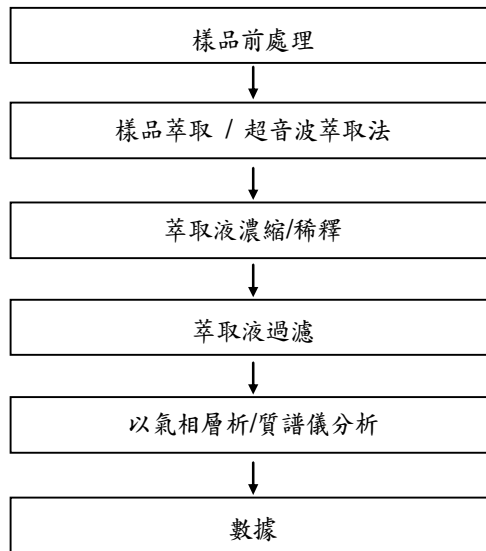
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台灣塑膠工業股份有限公司-高雄林園區
高雄市林園區石化一路1號

六溴環十二烷分析流程圖

- 1) 測試人員：陳威錚
- 2) 測試負責人：張伯睿



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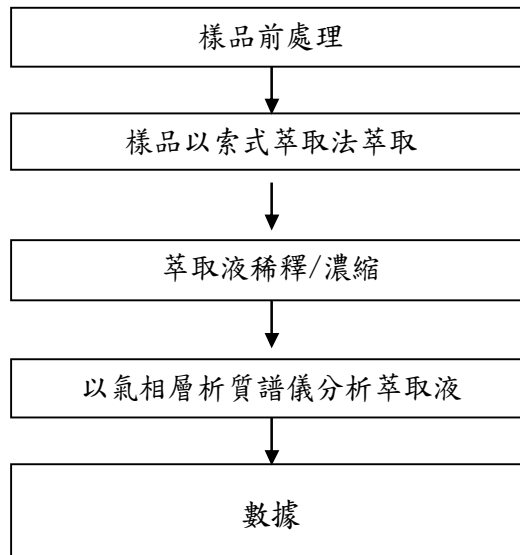
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台灣塑膠工業股份有限公司-高雄林園區
高雄市林園區石化一路1號

苯並三唑類化合物分析流程圖

- 1) 測試人員：陳威錚
- 2) 測試負責人：張伯睿



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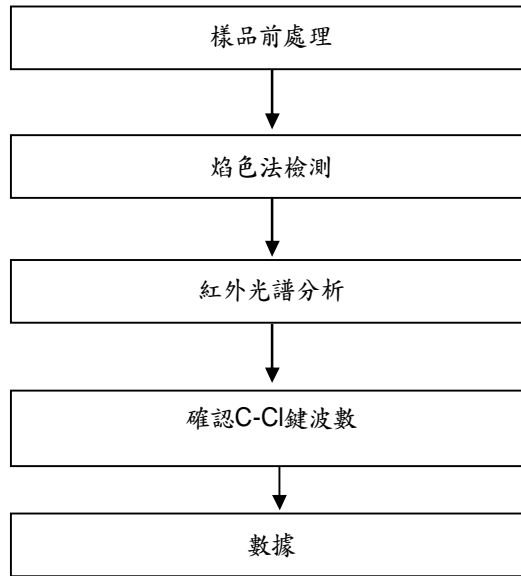
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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

聚氯乙稀物質判定分析流程圖

- 1) 測試人員：戴秀純
- 2) 測試負責人：林立翔



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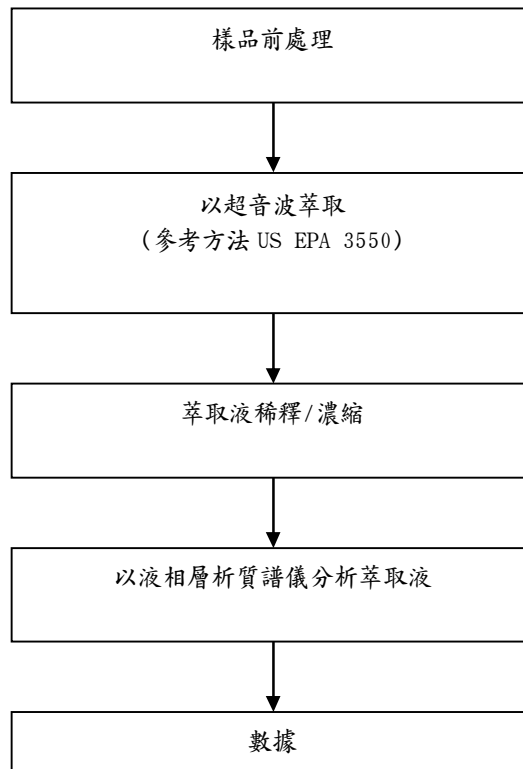
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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

全氟辛酸(銨)/ 全氟辛烷磺酸分析流程圖

1)測試人員：黃璟瓊

2)測試負責人：張伯睿



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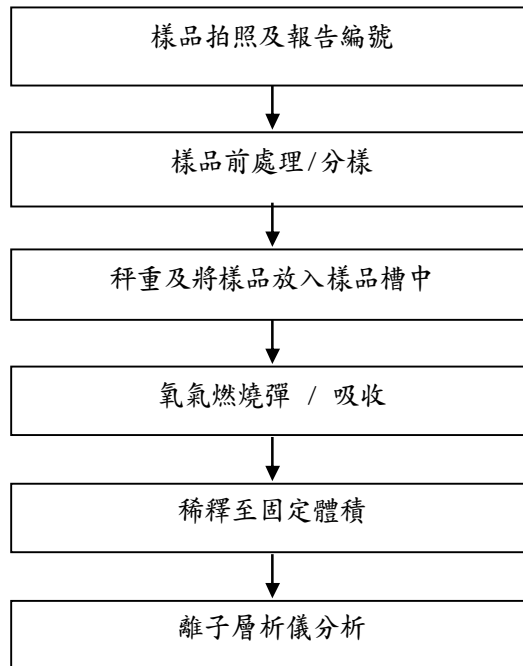
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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

鹵素分析流程圖

- 1) 測試人員：洪秀真
- 2) 測試負責人：張伯睿



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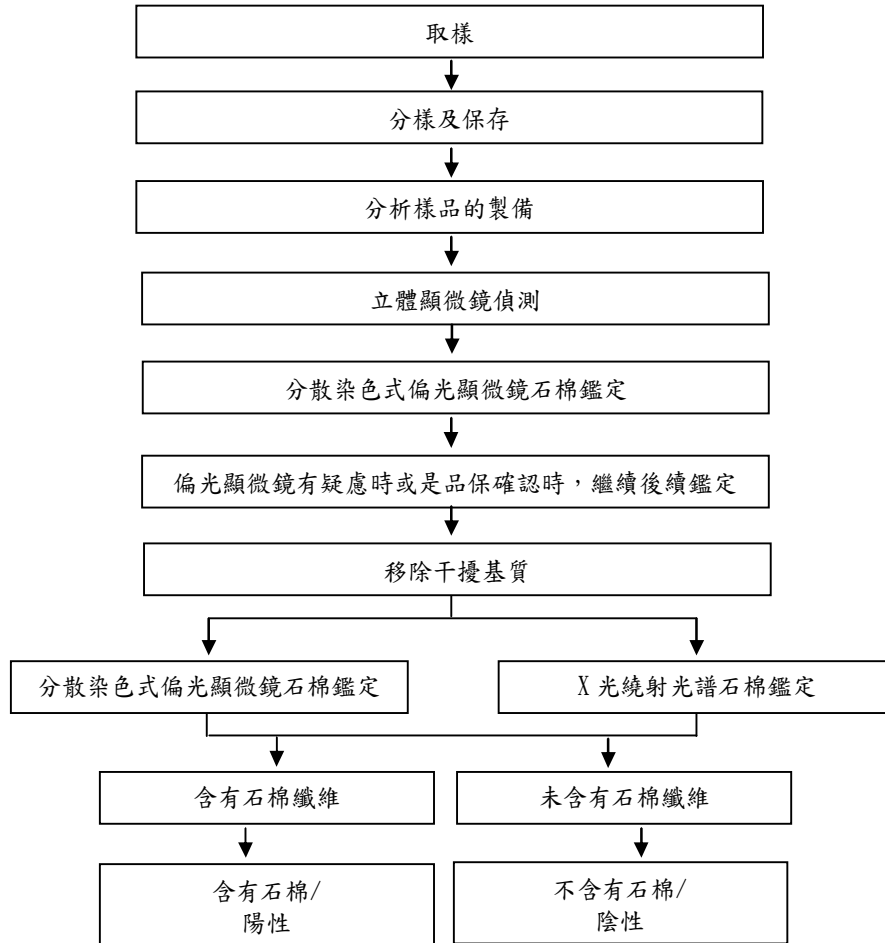
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台灣塑膠工業股份有限公司-高雄林園區
 高雄市林園區石化一路1號

石棉鑑定分析流程圖

- 測試人員：高鍵忠
- 測試負責人：魏明芬

【參考方法：EPA 600/R-93/116】



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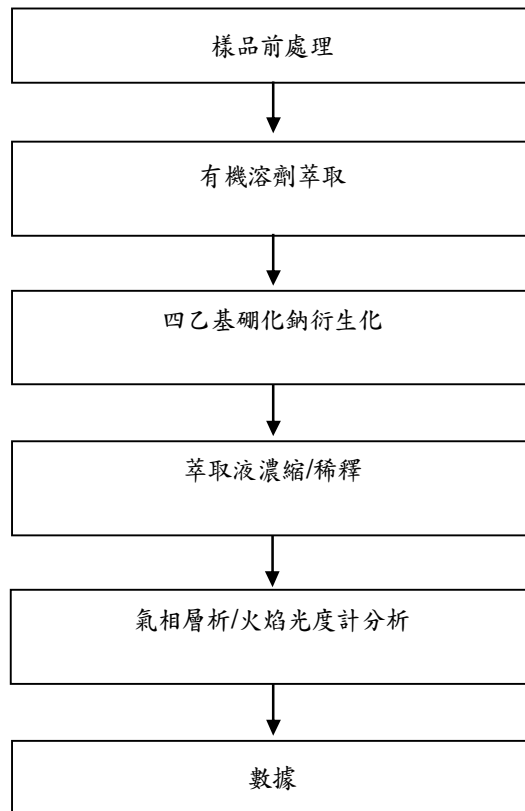
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台灣塑膠工業股份有限公司-高雄林園區
高雄市林園區石化一路1號

有機錫分析流程圖

- 1) 測試人員：陳威錚
- 2) 測試負責人：張伯睿



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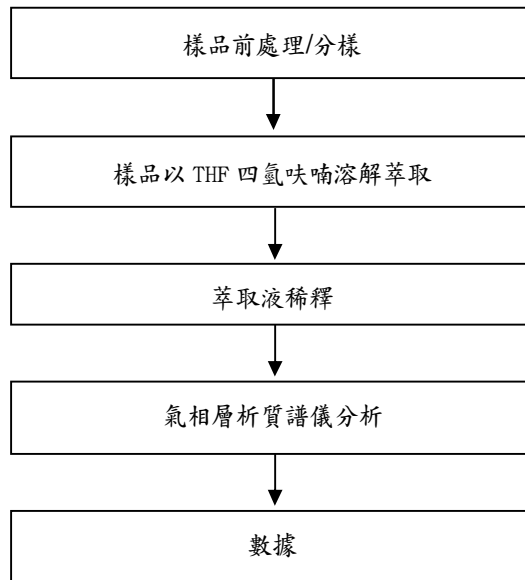
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台灣塑膠工業股份有限公司-高雄林園區
高雄市林園區石化一路1號

可塑劑分析流程圖

- 測試人員：陳威錚
- 測試負責人：張伯睿

【測試方法: IEC 62321-8】



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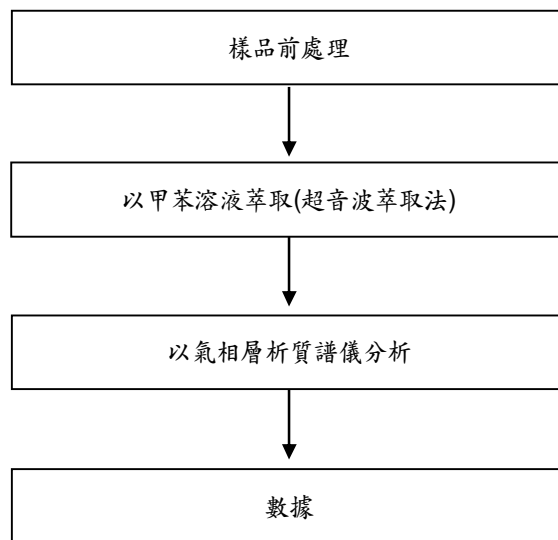
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台灣塑膠工業股份有限公司-高雄林園區
高雄市林園區石化一路1號

多苯環芳香族化合物分析流程圖

- 1) 測試人員：陳威錚
- 2) 測試負責人：張伯睿



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