Test Report

南亞塑膠工業股份有限公司
NAN YA PLASTICS CORPORATION
嘉義縣新港鄉中洋村中洋工業區2號
NO. 2, CHUNGYANG INDUSTRIAL PARK, HSINKANG VILLAGE, CHIAYI COUNTY, TAIWAN

以下測試樣品係由申請廠商所提交及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as):
送樣廠商 (Sample Submitted By) : 南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)
樣品名稱 (Sample Description) : 1403G6GC6
收件日期 (Sample Receiving Date) : 2013/07/04
測試期間 (Testing Period) : 2013/07/04 TO 2013/07/10

測試需求 (Test Requested) : 依據客戶要求, 參考RoHS 2011/65/EU Annex II 指令進行錫、鉛、汞、六價鉻、多溴聯苯,多溴聯苯醚測試。 (As specified by client, with reference to RoHS Directive 2011/65/EU Annex II to determine Cadmium, Lead, Mercury, Cr(VI), PBBS, PBBES contents in the submitted sample.)

測試結果 (Test Results) : 請見下頁 (Please refer to next pages).
結論 (Conclusion) : 根據客戶所提交的樣品, 其錫, 鉛, 汞, 六價鉻, 多溴聯苯, 多溴聯苯醚的測試結果符合RoHS指令2002/95/EC的更新指令2011/65/EU之要求 (Based on the performed tests on submitted samples, the test result of Cadmium, Lead, Mercury, Cr(VI), PBBS, PBBES comply with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.)

SGS TAIWAN LTD.

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測試報告
Test Report

南亞塑膠工業股份有限公司
NAN YA PLASTICS CORPORATION
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NO. 2, CHUNGYANG INDUSTRIAL PARK, HSINKANG VILLAGE, CHIAYI COUNTY, TAIWAN

測試結果(Test Results)
測試部位(PART NAME) No.1：白色塑膠粒 (WHITE PLASTIC PELLETS)

<table>
<thead>
<tr>
<th>測試項目 (Test Items)</th>
<th>單位 (Unit)</th>
<th>測試方法 (Method)</th>
<th>方法檢測極限值 (MDL)</th>
<th>結果 (Result)</th>
<th>法規限定值 (Limit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>鎘 / Cadmium (Cd)</td>
<td>mg/kg</td>
<td>参考 IEC 62321：2008 方法，以感應耦合電漿原子發射光譜儀檢測。/ With reference to IEC 62321: 2008 and performed by ICP-AES.</td>
<td>2</td>
<td>n.d.</td>
<td>100</td>
</tr>
<tr>
<td>鋅 / Lead (Pb)</td>
<td>mg/kg</td>
<td></td>
<td>2</td>
<td>6</td>
<td>1000</td>
</tr>
<tr>
<td>汞 / Mercury (Hg)</td>
<td>mg/kg</td>
<td></td>
<td>2</td>
<td>n.d.</td>
<td>1000</td>
</tr>
<tr>
<td>六價錳 / Hexavalent Chromium (VI)</td>
<td>mg/kg</td>
<td>参考 IEC 62321：2008 方法，以 UV-VIS 檢測。/ With reference to IEC 62321: 2008 and performed by UV-VIS.</td>
<td>2</td>
<td>n.d.</td>
<td>1000</td>
</tr>
<tr>
<td>多溴聯苯總和 / Sum of PBs</td>
<td>mg/kg</td>
<td></td>
<td></td>
<td></td>
<td>1000</td>
</tr>
<tr>
<td>一溴聯苯 / Monobromobiphenyl</td>
<td>mg/kg</td>
<td></td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>二溴聯苯 / Dibromobiphenyl</td>
<td>mg/kg</td>
<td></td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>三溴聯苯 / Tribromobiphenyl</td>
<td>mg/kg</td>
<td></td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>四溴聯苯 / Tetrabromobiphenyl</td>
<td>mg/kg</td>
<td></td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>五溴聯苯 / Pentabromobiphenyl</td>
<td>mg/kg</td>
<td></td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>六溴聯苯 / Hexabromobiphenyl</td>
<td>mg/kg</td>
<td>参考 IEC 62321：2008 方法，以氣相層析/質譜儀檢測。/ With reference to IEC 62321: 2008 and performed by GC/MS.</td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>七溴聯苯 / Heptabromobiphenyl</td>
<td>mg/kg</td>
<td></td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>八溴聯苯 / Octabromobiphenyl</td>
<td>mg/kg</td>
<td></td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>九溴聯苯 / Nonabromobiphenyl</td>
<td>mg/kg</td>
<td></td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>十溴聯苯 / Decabromobiphenyl</td>
<td>mg/kg</td>
<td></td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
</tbody>
</table>

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**測試報告**

**Test Report**

南亞塑膠工業股份有限公司
NAN YA PLASTICS CORPORATION

嘉義縣新港鄉中洋村中洋工業區2號
NO. 2, CHUNGYANG INDUSTRIAL PARK, HSINKANG VILLAGE, CHIAIYI COUNTY, TAIWAN

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<tr>
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<th>方法偵測極限值 (MDL)</th>
<th>結果 (Result) No.1</th>
<th>法規極限值 (Limit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>多溴聯苯醚總和 / Sum of PBDEs</td>
<td>mg/kg</td>
<td>參考IEC 62321: 2008方法，以氣相層析/質譜儀檢測。/ With reference to IEC 62321: 2008 and performed by GC/MS.</td>
<td>-</td>
<td>n.d.</td>
<td>1000</td>
</tr>
<tr>
<td>一溴聯苯醚 / Monobromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>二溴聯苯醚 / Dibromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>三溴聯苯醚 / Tribromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>四溴聯苯醚 / Tetrabromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>五溴聯苯醚 / Pentabromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>六溴聯苯醚 / Hexabromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>七溴聯苯醚 / Heptabromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>八溴聯苯醚 / Octabromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>九溴聯苯醚 / Nonabromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>十溴聯苯醚 / Decabromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

備註(Note):

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)
### Test Report

#### Sample Preparation

1. **Cutting / Preparation**
   - Sample cutting and preparation

2. **Sample Measurement**
   - Analysis of sample for various elements

3. **Microwave Digestion**
   - Digestion of samples using HNO₃/HCl/HF

4. **Solution Filtration and Residue**
   - Filtration of solution and residue

### Acid Digestion

- **Steel, Copper, Aluminum, Gold**
  - Use H₂SO₄, HNO₃, HCl, H₂O₂

- **Glass**
  - Use HNO₃

- **Plastic**
  - Use H₂SO₄, HNO₃, HCl

### Note**

1. **Alkaline Fusion**
2. **HC1 for Dissolution**

### Digestion Reagent

- Add appropriate reagent to total digestion

### Color Development

- Add diphenvl carbazole for color development

### UV-Vis

- Measure absorbance at 540 nm

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多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART
- 測試人員: 翁勝杉 / Name of the person who made measurement: Roman Wong
- 測試負責人: 楊永興 / Name of the person in charge of measurement: Troy Chang

次測試程序 / First testing process
選擇性篩選程序 / Optional screen process
確認程序 / Confirmation process

Sample / 樣品
↓
Sample pretreatment / 樣品前處理
↓
Screen analysis / 初篩分析
↓
Sample extraction / 樣品萃取/
Soxhlet method / 索式萃取法
↓
Concentrate/Dilute Extracted solution / 萃取液濃縮/稀釋
↓
Filter / 萃取液過濾
↓
Analysis by GC/MS / 氣相層析質譜儀分析
↓
Issue Report / 撰打報告
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* 照片中如有箭頭標示，則表示為實際檢測之樣品／部位。*
(The tested sample / part is marked by an arrow if it's shown on the photo.)

CE/2013/71013

** 報告結尾 (End of Report)**
測試報告
Test Report

號碼(No.)：CE/2013/41909 日期(Date)：2013/04/15 頁數(Page)：1 of 12

康揚企業股份有限公司
KANG YANG HARDWARE ENTERPRISES CO., LTD.
新北市汐止區環河街187號
NO. 187, HUANHE ST., XIZHI DIST., NEW TAIPEI CITY 221, TAIWAN

以下測試樣品係由申請廠商所提供之確認 The following sample(s) was/were submitted and identified by/on behalf of the applicant as:

樣品名稱(Sample Description) : BLACK PLASTIC PELLETS
樣品型號(Style/Item No.) : AT-0203
原材料供應商(Material Supplier) : CLARIANT
收件日期(Sample Receiving Date) : 2013/04/10
測試期間(Testing Period) : 2013/04/10 TO 2013/04/15

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

SGS TAIWAN LTD

Troy Chang, Manager Tech
Signed for and on behalf of SGS TAIWAN LTD
Chemical Laboratory – Taipei

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NO. 187, HUANHE ST., XIZHI DIST., NEW TAIPEI CITY 221, TAIWAN

測試結果(Test Results)

測試部位(PART NAME): No.1 
: 黑色塑膠粒 (BLACK PLASTIC PELLETS)

<table>
<thead>
<tr>
<th>測試項目 (Test Items)</th>
<th>單位 (Unit)</th>
<th>測試方法 (Method)</th>
<th>方法檢測極限值 (MDL)</th>
<th>結果 (Result)</th>
</tr>
</thead>
<tbody>
<tr>
<td>鎘 / Cadmium (Cd)</td>
<td>mg/kg</td>
<td>參考 IEC 62321: 2008 方法，以感應耦合電漿原子發射光譜儀檢測。/ With reference to IEC 62321: 2008 and performed by ICP-AES.</td>
<td>2</td>
<td>n.d.</td>
</tr>
<tr>
<td>鋅 / Lead (Pb)</td>
<td>mg/kg</td>
<td>參考 IEC 62321: 2008 方法，以感應耦合電漿原子發射光譜儀檢測。/ With reference to IEC 62321: 2008 and performed by ICP-AES.</td>
<td>2</td>
<td>n.d.</td>
</tr>
<tr>
<td>水銀 / Mercury (Hg)</td>
<td>mg/kg</td>
<td>參考 IEC 62321: 2008 方法，以感應耦合電漿原子發射光譜儀檢測。/ With reference to IEC 62321: 2008 and performed by ICP-AES.</td>
<td>2</td>
<td>n.d.</td>
</tr>
<tr>
<td>六價鉻 / Hexavalent Chromium Cr(VI)</td>
<td>mg/kg</td>
<td>參考 IEC 62321: 2008 方法，以UV-VIS檢測。/ With reference to IEC 62321: 2008 and performed by UV-VIS.</td>
<td>2</td>
<td>n.d.</td>
</tr>
<tr>
<td>六溴環十二烷及所有主要被辨別出的異構物 / Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD) (CAS No.: 25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))</td>
<td>mg/kg</td>
<td>參考 US EPA 3540C 方法，以氣相層析/質譜儀檢測。/ With reference to US EPA 3540C method. Analysis was performed by GC/MS.</td>
<td>5</td>
<td>n.d.</td>
</tr>
<tr>
<td>測試項目 (Test Items)</td>
<td>單位 (Unit)</td>
<td>測試方法 (Method)</td>
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<td>結果 (Result)</td>
</tr>
<tr>
<td>----------------------</td>
<td>------------</td>
<td>------------------</td>
<td>---------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>全氟辛烷磺酸 / Perfluorooctane sulfonates (PFOS-Acid, Metal Salt, Amide)</td>
<td>mg/kg</td>
<td>參考US EPA 3550C: 2007方法，以液相層析/質量譜儀檢測。 / With reference to US EPA 3550C: 2007. Analysis was performed by LC/MS.</td>
<td>10</td>
<td>n.d.</td>
</tr>
<tr>
<td>全氟辛酸 (酸) / PFOA (CAS No.: 335-67-1)</td>
<td>mg/kg</td>
<td>參考US EPA 3550C: 2007方法，以液相層析/質量譜儀檢測。 / With reference to US EPA 3550C: 2007. Analysis was performed by LC/MS.</td>
<td>10</td>
<td>n.d.</td>
</tr>
<tr>
<td>邯郸二甲酸甲基丁酯 / BBP (Benzyl butyl phthalate) (CAS No.: 85-68-7)</td>
<td>%</td>
<td>參考EN 14372，以氣相層析/質量譜儀檢測。 / With reference to EN 14372. Analysis was performed by GC/MS.</td>
<td>0.003</td>
<td>n.d.</td>
</tr>
<tr>
<td>邯郸二甲酸二 (2-乙基已基)酯 / DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)</td>
<td>%</td>
<td>參考EN 14372，以氣相層析/質量譜儀檢測。 / With reference to EN 14372. Analysis was performed by GC/MS.</td>
<td>0.003</td>
<td>n.d.</td>
</tr>
<tr>
<td>邯郸二甲酸二異辛酯 / DIDP (Di-isodecyl phthalate) (CAS No.: 28761-40-9)</td>
<td>%</td>
<td>參考EN 14372，以氣相層析/質量譜儀檢測。 / With reference to EN 14372. Analysis was performed by GC/MS.</td>
<td>0.01</td>
<td>n.d.</td>
</tr>
<tr>
<td>邯郸二甲酸二異壬酯 / DINP (Di-isononyl phthalate) (CAS No.: 28553-12-9)</td>
<td>%</td>
<td>參考EN 14372，以氣相層析/質量譜儀檢測。 / With reference to EN 14372. Analysis was performed by GC/MS.</td>
<td>0.01</td>
<td>n.d.</td>
</tr>
<tr>
<td>邯郸二甲酸二正辛酯 / DNOP (Di-n-octyl phthalate) (CAS No.: 117-84-0)</td>
<td>%</td>
<td>參考EN 14372，以氣相層析/質量譜儀檢測。 / With reference to EN 14372. Analysis was performed by GC/MS.</td>
<td>0.003</td>
<td>n.d.</td>
</tr>
<tr>
<td>邯郸二甲酸二丁酯 / DBP (Dibutyl phthalate) (CAS No.: 84-74-2)</td>
<td>%</td>
<td>參考EN 14372，以氣相層析/質量譜儀檢測。 / With reference to EN 14372. Analysis was performed by GC/MS.</td>
<td>0.003</td>
<td>n.d.</td>
</tr>
</tbody>
</table>
# 測試報告

**Test Report**

康揚企業股份有限公司  
KANG YANG HARDWARE ENTERPRISES CO., LTD.  
新北市汐止區環河街187號  
NO. 187, HUANIE ST., XIZHI DIST., NEW TAIPEI CITY 221, TAIWAN

<table>
<thead>
<tr>
<th>測試項目 (Test Items)</th>
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<th>測試方法 (Method)</th>
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<th>結果 (Result)</th>
</tr>
</thead>
<tbody>
<tr>
<td>多溴聯苯總和 / Sum of PBBs</td>
<td>mg/kg</td>
<td>-</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>一溴聯苯 / Monobromobiphenyl</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>二溴聯苯 / Dibromobiphenyl</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>三溴聯苯 / Tribromobiphenyl</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td></td>
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<tr>
<td>四溴聯苯 / Tetrabromobiphenyl</td>
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</tr>
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<td>六溴聯苯 / Hexabromobiphenyl</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>十溴聯苯 / Decabromobiphenyl</td>
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<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>多溴聯苯醚總和 / Sum of PBDEs</td>
<td>mg/kg</td>
<td>-</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>一溴聯苯醚 / Monobromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>二溴聯苯醚 / Dibromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>三溴聯苯醚 / Tribromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>四溴聯苯醚 / Tetrabromodiphenyl ether</td>
<td>mg/kg</td>
<td>5</td>
<td>n.d.</td>
<td></td>
</tr>
<tr>
<td>五溴聯苯醚 / Pentabromodiphenyl ether</td>
<td>mg/kg</td>
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<td>六溴聯苯醚 / Hexabromodiphenyl ether</td>
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参考 IEC 62321：2008 方法，以氣相層析/質譜儀檢測。With reference to IEC 62321: 2008 and performed by GC/MS.
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<tr>
<td>電氣 / Halogen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>電氣 (氬) / Halogen-Fluorine (F) (CAS No.: 14762-94-8)</td>
<td>mg/kg</td>
<td>參考BS EN 14582:2007, 以離子選析儀分析。/ With reference to BS EN 14582:2007. Analysis was performed by ICP.</td>
<td>50</td>
<td>n.d.</td>
</tr>
<tr>
<td>電氣 (氯) / Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)</td>
<td>mg/kg</td>
<td></td>
<td>50</td>
<td>n.d.</td>
</tr>
<tr>
<td>電氣 (溴) / Halogen-Bromine (Br) (CAS No.: 10097-32-2)</td>
<td>mg/kg</td>
<td></td>
<td>50</td>
<td>n.d.</td>
</tr>
<tr>
<td>電氣 (碘) / Halogen-Iodine (I) (CAS No.: 14362-44-8)</td>
<td>mg/kg</td>
<td></td>
<td>50</td>
<td>n.d.</td>
</tr>
</tbody>
</table>

備註(Note):

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)

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

PPOs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)，在纖維品或塗層材料中不得超過1μg/m²。

(Outing PPOs as substances or preparations in concentrations above 0.001% (10ppm), in semi-finished products or articles or parts at a level above 0.1%(1000ppm), in textiles or other coated materials above 1μg/m².)
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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：楊金傳 / Name of the person who made measurement: Climbgreat Yang
3) 測試負責人：張浩興 / Name of the person in charge of measurement: Troy Chang

剪裁/製備樣品 / Cutting - Preparation

測試樣品重量 / Sample Measurement

總 Pb + 總 Cd

加溫/加熱

Pb/Sn

Sn/Sb/Cd

不同樣品的材質而以適當的酸進行消化/ Acid digestion by suitable acid depended on different sample material (as below table)

硝酸/鹽酸/氫氟酸消化 / Microwave digestion with HNO₃/HCl/HF

添加適當消化液 / Add appropriate amount of digestion reagent

過濾 / Filtration

溶液 / Solution

蒸發/蒸發減量

冷卻後過濾樣品 / Cool, filter digestate through filter

感應耦合等離子發射光譜儀 / ICP-AES

檢測結果 / Results

樣品材質 / Sample Material

消化液種類 / Digestion Acid

鋼, 銅, 鋁, 硅 / Steel, copper, aluminum, solder

水, 硝酸, 盐酸, 氫氟酸 / Aqua regia, HNO₃, HCl, HF, H₂O₂

玻璃 / Glass

總 Pb / Total Pb

金, 鉑, 陶瓷 / Gold, platinum, palladium, ceramic

銅 / Copper

懸浮液 / Plastic

其他 / Others

加入適當的試劑至完全溶解 / Added appropriate reagent to total digestion

Note**: (1) 針對非金屬樣品加入酸性消化液，加熱至 90-95℃ 習取。For non-metallic material, add alkaline digestion reagent and heat to 90-95℃.
(2) 針對金屬樣品加入純水，加熱至沸騰習取。For metallic material, add pure water and heat to boiling.
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全氟辛酸(酸)/全氟辛烷磺酸分析流程圖 / PFOA/PFOS analytical flow chart

- 測試人員: 窩賀彬 / Name of the person who made measurement: Roman Wong
- 測試負責人: 張啓興 / Name of the person in charge of measurement: Troy Chang

樣品前處理 / Sample pretreatment

超音波萃取法萃取 / Sample extraction by Ultrasonic extraction
(參考方法 Reference method: US EPA 3550C)

萃取液稀釋/濃縮 / Concentrate/Dilute Extracted solution

以液相層析質譜儀分離萃取液 / Analysis was performed by LC/MS

數據 / Data
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鹵素分析流程圖 / Analytical flow chart of halogen content

- 測試人員：陳思臻 / Name of the person who made measurement: Rita Chen
- 測試負責人：張啓興 / Name of the person in charge of measurement: Troy Chang

Sample pretreatment/separation

Weighting and putting sample in cell

Oxygen Bomb Combustion / Absorption

Dilution to fixed volume

Analysis was performed by IC
測試報告
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可塑劑分析流程圖 / Analytical flow chart of phthalate content

- 測試人員：翁鴻彬 / Name of the person who made measurement: Roman Wong
- 測試負責人：張啟興 / Name of the person in charge of measurement: Troy Chang

Sample pretreatment/separation

Sample extraction by soxhlet method

Concentrate/Dilute Extracted solution

Analysis was performed by GC/MS

數據 / Data
六溴環十二烷分析流程图 / HBCDD analytical flow chart

- 测试人员：翁赐彬 / Name of the person who made measurement: Roman Wong
- 测试负责人：张启兴 / Name of the person in charge of measurement: Troy Chang

Sample pretreatment/separation

Sample extraction by soxhlet method

Concentrate/Dilute Extracted solution

Analysis was performed by GC/MS

Data
**Test Report**

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**Kang Yang Hardware Enterprises Co., Ltd.**

NO. 187, HUANHE ST., XIZHI DIST., NEW TAIPEI CITY 221, TAIWAN

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

- 测试人员: 翁博士 / Name of the person who made measurement: Roman Wong
- 测试负责人: 张立兴 / Name of the person in charge of measurement: Troy Chang

初始测试程序 / First testing process

选择性筛检程序 / Optional screen process

确认程序 / Confirmation process

---

**Sample / 样品**

↓

**Sample pretreatment / 样品前处理**

↓

**Screen analysis / 初筛分析**

↓

**Sample extraction 樣品萃取 / Soxhlet method 索式萃取法**

↓

**Concentrate/Dilute Extracted solution 萃取液浓缩/稀释**

↓

**Filter / 萃取液过滤**

↓

**Analysis by GC/MS / 气相色谱质谱质仪分析**

↓

**Issue Report 票据报告**

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* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。
(The tested sample / part is marked by an arrow if it's shown on the photo.)

** 報告結尾 (End of Report)**