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

| 樣品名稱(Sample Description) | : | SPIRAL WRAPPING BAND / 捲式結束帶 |
|-----------------------------------------------------|---|---------------------------------|
| 同材質/產品名稱/型號(Used For Products (Style /Item No.)) | : | 請參考第5頁 (PLEASE REFER TO PAGE 5) |
| 樣品材質(Sample Material) | : | PE(NATURAL) |
| 收件日期(Sample Receiving Date) | : | 2019/11/13 |
| 測試期間(Testing Period) | : | 2019/11/13 to 2019/11/19 |

測試需求(Test Requested):

- (1) 依據客戶指定,參考RoHS 2011/65/EU Annex II及其修訂指令(EU) 2015/863測試鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯

 醚, DBP, BBP, DEHP, DIBP. (As specified by client, with reference to RoHS 2011/65/EU Annex II and amending
 Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP
 contents in the submitted sample(s).)
- (2) 其他測試項目請見下一頁. (Please refer to next pages for the other item(s).)

測試結果(Test Results) : 請參閱下一頁 (Please refer to following pages).

 結論(Conclusion): (1) 根據客戶所提供的樣品,其鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚, DBP, BBP, DEHP, DIBP的 測試結果符合RoHS 2011/65/EU Annex II暨其修訂指令(EU) 2015/863之限值要求. (Based on the performed tests on submitted sample(s), the test results of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.)

Troy Chang / Manager - Vec Signed for and behalf of SGS TAIWAN LTD. Chemical Laboratory - Taipei



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測試結果(Test Results)

測試部位(PART NAME)No.1 透明塑膠(TRANSPARENT PLASTIC) :

| 測試項目 (Test Items) | 單位 (Unit) | 測試方法 (Method) | MDL | 結果 (Result) No.1 | 限值 (Limit) |
|----------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------|-----|------------------------|---------------|
| 鎘 / Cadmium (Cd) | mg/kg | 參考IEC 62321-5 (2013),以感應耦合電 漿發射光譜儀檢測. / With reference | 2 | n. d. | 100 |
| 鉛 / Lead (Pb) | mg/kg | to IEC 62321-5 (2013) and performed by ICP-OES. | 2 | n. d. | 1000 |
| 汞 / Mercury (Hg) | mg/kg | 參考IEC 62321-4:2013+ AMD1:2017,以 感應耦合電漿發射光譜儀檢測. / With reference to IEC 62321-4:2013+ AMD1:2017 and performed by ICP-OES. | 2 | n. d. | 1000 |
| 六價鉻 / Hexavalent Chromium Cr(VI) | mg/kg | 参考IEC 62321-7-2(2017),以UV-VIS檢 測. / With reference to IEC 62321-7- 2(2017)and performed by UV-VIS. | 8 | n. d. | 1000 |
| 多溴聯苯總和 / Sum of PBBs | mg/kg | | _ | n. d. | 1000 |
| 一溴聯苯 / Monobromobiphenyl | mg/kg | | 5 | n. d. | _ |
| 二溴聯苯 / Dibromobiphenyl | mg/kg | | 5 | n. d. | - |
| 三溴聯苯 / Tribromobiphenyl | mg/kg | 參考IEC 62321-6 (2015),以氣相層析/ 質譜儀檢測. / With reference to IEC 62321-6 (2015) and performed by GC/MS. | 5 | n. d. | - |
| 四溴聯苯 / Tetrabromobiphenyl | mg/kg | | 5 | n. d. | - |
| 五溴聯苯 / Pentabromobiphenyl | mg/kg | | 5 | n. d. | - |
| 六溴聯苯 / Hexabromobiphenyl | mg/kg | | 5 | n. d. | - |
| 七溴聯苯 / Heptabromobiphenyl | mg/kg | | 5 | n. d. | - |
| 八溴聯苯 / Octabromobiphenyl | mg/kg | | 5 | n. d. | _ |
| 九溴聯苯 / Nonabromobiphenyl | mg/kg | | 5 | n. d. | _ |
| 十溴聯苯 / Decabromobiphenyl | mg/kg | | 5 | n. d. | - |



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| 測試項目 (Test Items) | 單位 (Unit) | 測試方法 (Method) | MDL | 結果 (Result) No.1 | 限值 (Limit) |
|------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------|-----|------------------------|---------------|
| 多溴聯苯醚總和 / Sum of PBDEs | mg/kg | | - | n. d. | 1000 |
| 一溴聯苯醚 / Monobromodiphenyl ether | mg/kg | 參考IEC 62321-6 (2015),以氣相層析/ 質譜儀檢測. / With reference to IEC 62321-6 (2015) and performed by | 5 | n. d. | - |
| 二溴聯苯醚 / Dibromodiphenyl ether | mg/kg | | 5 | n. d. | - |
| 三溴聯苯醚 / Tribromodiphenyl ether | mg/kg | | 5 | n. d. | - |
| 四溴聯苯醚 / Tetrabromodiphenyl ether | mg/kg | | 5 | n. d. | - |
| 五溴聯苯醚 / Pentabromodiphenyl ether | mg/kg | | 5 | n. d. | - |
| 六溴聯苯醚 / Hexabromodiphenyl ether | mg/kg | GC/MS. | 5 | n. d. | - |
| 七溴聯苯醚 / Heptabromodiphenyl ether | mg/kg | | 5 | n. d. | - |
| 八溴聯苯醚 / Octabromodiphenyl ether | mg/kg | | 5 | n. d. | Ι |
| 九溴聯苯醚 / Nonabromodiphenyl ether | mg/kg | | 5 | n. d. | Ι |
| 十溴聯苯醚 / Decabromodiphenyl ether | mg/kg | | 5 | n. d. | Ι |
| 鄰苯二甲酸丁苯甲酯 / BBP(Butyl Benzyl phthalate)(CAS No.: 85-68-7) | mg/kg | 參考IEC 62321-8 (2017),以氣相層析/ 質譜儀檢測. / With reference to IEC 62321-8 (2017). Analysis was performed by GC/MS. | 50 | n. d. | 1000 |
| 鄰苯二甲酸二丁酯 / DBP(Dibutyl phthalate)(CAS No.: 84-74-2) | mg/kg | | 50 | n. d. | 1000 |
| 鄰苯二甲酸二 (2-乙基己基)酯 / DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7) | mg/kg | | 50 | n. d. | 1000 |
| 鄰苯二甲酸二異丁酯 / DIBP(Di-isobuty1 phthalate)(CAS No.: 84-69-5) | mg/kg | | 50 | n. d. | 1000 |
| 鄰苯二甲酸二異癸酯 / DIDP (Di- isodecyl phthalate) (CAS No.: 26761- 40-0; 68515-49-1) | mg/kg | | 50 | n. d. | _ |
| 鄰苯二甲酸二異壬酯 / DINP (Di- isononyl phthalate) (CAS No.: 28553- 12-0; 68515-48-0) | mg/kg | | 50 | n. d. | _ |



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| 測試項目 (Test Items) | 單位 (Unit) | 測試方法 (Method) | MDL | 結果 (Result) No.1 | 限值 (Limit) |
|-----------------------------------------------------------------|--------------|---------------------------------------------------------------|-----|------------------------|---------------|
| 鄰苯二甲酸二正辛酯 / DNOP (Di-n- octyl phthalate) (CAS No.: 117-84-0) | | 參考IEC 62321-8 (2017),以氣相層析/ 質譜儀檢測. / With reference to IEC | 50 | n. d. | - |
| 鄰苯二甲酸二正己酯 / DNHP (Di-n- hexyl phthalate) (CAS No.: 84-75-3) | 0 0 | 62321-8 (2017). Analysis was performed by GC/MS. | 50 | n. d. | - |

備註(Note):

- 1. mg/kg = ppm; 0.1wt% = 1000ppm
- 2. MDL = Method Detection Limit (方法偵測極限值)
- 3. n.d. = Not Detected (未檢出)
- 4. "-" = Not Regulated (無規格值)



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:

同材質/產品名稱/型號(Used For Products (Style /Item No.))

| 同材質 | / | 產品名稱/型號 (Used For Products (Style /Item No.)): |
|-----|---|------------------------------------------------|
| PE | / | 被覆銅管紮線帶 COATED COPPER TUBE CABLE TIE /AT |
| PE | / | 雙扣式珠孔紮線帶 DOUBLE HEAD KNOT TIE /KTV |
| PE | / | 自由絕緣保護套/U型 EDGING GROMMENT /ED, EDH |
| PE | / | 六角螺帽保護套 HEXAGONAL PROTECTION CAP /HPM |
| PE | / | 插座護蓋 HOUSING COVER /HR, RHR, USB |
| PE | / | 標示紮線帶 MARKER TIE /PMT |
| PE | / | 自由絕緣保護套 MOVABLE BUSHING /KE,KG,KGC,KGH |
| PE | / | 針型壁虎 PIN PLUG /PP |
| PE | / | 電源線插頭護蓋 PLUG COVER /PR |
| PE | / | 圓體隔離柱 ROUND SPACER /RSP |
| PE | / | 螺絲保護套 SCREW PROTECTION CAP /SCP |
| PE | / | 捲式結束帶 SPIRAL WRAPPING BAND /KS, KSP |
| PE | / | 電源線結束帶 WIRE COLLECT TIE /TL, PCT, WL, WLT |
| PE | / | 標示盒 MARKER BOX /MC |
| PE | / | 結束固定鈕 BUTTONS FOR BAND /A-B |
| PE | / | 展覽會用配件 WIRING DUCT & CABLE CLIP / EX |
| PE | / | 腳墊 HEADBOARD WASHER / HBW |
| PE | / | USB插頭護蓋 USB HOUSING COVER / USB |
| | | |



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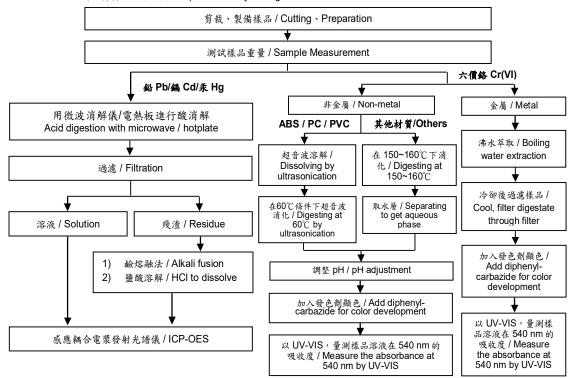
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重金屬流程圖 / Analytical flow chart of Heavy Metal

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)
 ■ 測試人員:陳恩臻 / Technician : Rita Chen

■ 測試負責人:張啟興 / Supervisor: Troy Chang





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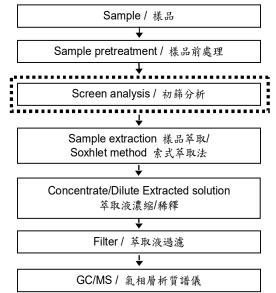
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多溴聯苯/多溴聯苯醚分析流程圖 / Analytical flow chart - PBB/PBDE

■ 測試人員:涂雅苓 / Technician: Yaling Tu

■ 測試負責人:張啟興 / Supervisor: Troy Chang

初次測試程序 / First testing process →→ 選擇性篩檢程序 / Optional screen process →→→ 確認程序 / Confirmation process → → →





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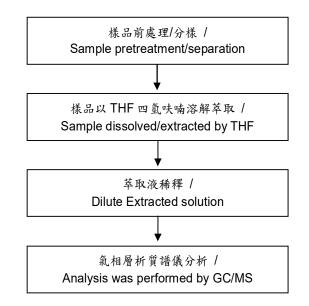
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可塑劑分析流程圖 / Analytical flow chart - Phthalate

- 測試人員:涂雅苓 / Technician: Yaling Tu
- 測試負責人:張啟興 / Supervisor : Troy Chang

【测試方法/Test method: IEC 62321-8】





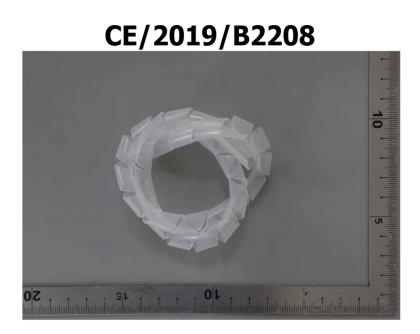
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> * 照片中如有箭頭標示,則表示為實際檢測之樣品/部位. * (The tested sample / part is marked by an arrow if it's shown on the photo.)



** 報告結尾 (End of Report) **