

測試報告 Test Report ^{號碼(No.)}: CE/2012/65530 日期(Date): 2012/07/05 頁數(Page): 1 of 7

嵘樺企業有限公司 RONG HUA INDUSTRIAL CO., LTD 桃園縣新屋鄉下田村下田心子1鄰23-7號 23-7, 1 NIGHBOR, SIATIANSINZIH, SIATIAN VILLAGE, SINWU TOWNSHIP, TAOYUAN COUNTY 327, TAIWAN (R. O. C.)

以下測試樣品係由客户送樣,且 identified by/on behalf of t	由客户聲稱並經客户確認如下(The following samples was/were submitted and .he client as):
樣品名稱(Sample Description)	: GRIP RING / EXPANDER RING (擴張環)
收件日期(Sample Receiving Date)	: 2012/06/28
測試期間(Testing Period)	: 2012/06/28 TO 2012/07/05
=====================================	依據客户要求,參考RoHS 2011/65/EU Annex II 指令進行鎬,鉛,汞,六價貉,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, PBDEs contents in the submitted sample.)
测试方法(Test Method) :	参考IEC 62321: 2008方法 / With reference to IEC 62321: 2008.
測試結果(Test Results) :	請見下一頁 (Please refer to next pages).



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<u>測試結果(Test Results)</u>

测試部位(PART NAME)No.1 : 黑色塑膠 (BLACK PLASTIC) 測試部位(PART NAME)No.2 : 白色塑膠 (WHITE PLASTIC)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限値 (MDL)	結果 (Result)	
				No.1	No.2
鎬 / Cadmium (Cd)	mg/kg	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.	2	n.d.	n.d.
鉛 / Lead (Pb)	mg/kg	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.	2	n.d.	n.d.
汞 / Mercury (Hg)	mg/kg	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.	2	n.d.	n.d.
六價鉻 / Hexavalent Chromium Cr(VI)	mg/kg	参考IEC 62321: 2008方法,以UV-VIS檢 測. / With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.	n.d.
多溴聯苯總和 / Sum of PBBs		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.	-	n.d.	n.d.
一溴聯苯 / Monobromobiphenyl			5	n.d.	n.d.
二溴聯苯 / Dibromobiphenyl			5	n.d.	n.d.
三溴聯苯 / Tribromobiphenyl			5	n.d.	n.d.
四溴聯苯 / Tetrabromobiphenyl			5	n.d.	n.d.
五溴聯苯 / Pentabromobiphenyl	mg/kg		5	n.d.	n.d.
六溴聯苯 / Hexabromobiphenyl			5	n.d.	n.d.
七溴聯苯 / Heptabromobiphenyl			5	n.d.	n.d.
入溴聯苯 / Octabromobiphenyl			5	n.d.	n.d.
九溴聯苯 / Nonabromobiphenyl			5	n.d.	n.d.
十溴聯苯 / Decabromobiphenyl			5	n.d.	n.d.

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RONG HUA INDUSTRIAL CO., LTD

嶸樺企業有限公司

桃園縣新屋鄉下田村下田心子1鄰23-7號

23-7, 1 NIGHBOR, SIATIANSINZIH, SIATIAN VILLAGE, SINWU TOWNSHIP, TAOYUAN COUNTY 327, TAIWAN (R. O. C.)

測試項目	單位 (Unit)	測試方法 (Method)	方法偵測 極限値 (MDL)	結果 (Result)	
(Test Items)				No.1	No.2
多溴聯苯醚總和 / Sum of PBDEs	mg/kg	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.	-	n.d.	n.d.
一溴聯苯醚 / Monobromodiphenyl ether			5	n.d.	n.d.
二溴聯苯醚 / Dibromodiphenyl ether			5	n.d.	n.d.
三溴聯苯醚 / Tribromodiphenyl ether			5	n.d.	n.d.
四溴聯苯醚 / Tetrabromodiphenyl ether			5	n.d.	n.d.
五溴聯苯醚 / Pentabromodiphenyl ether			5	n.d.	n.d.
六溴聯苯醚 / Hexabromodiphenyl ether			5	n.d.	n.d.
七溴聯苯醚 / Heptabromodiphenyl ether			5	n.d.	n.d.
八溴聯苯醚 / Octabromodiphenyl ether			5	n.d.	n.d.
九溴聯苯醚 / Nonabromodiphenyl ether			5	n.d.	n.d.
十溴聯苯醚 / Decabromodiphenyl ether			5	n.d.	n.d.

備註(Note):

1. mg/kg = ppm; 0.1wt% = 1000ppm

2. n.d. = Not Detected (未檢出)

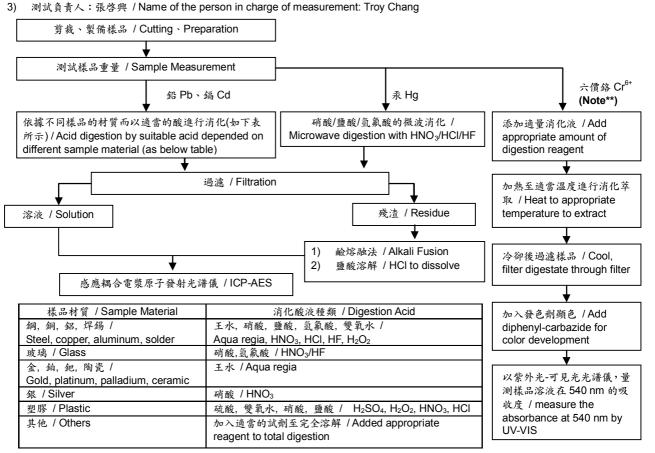
- 3. MDL = Method Detection Limit (方法偵測極限值)
- 4. "-" = Not Regulated (無規格值)

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- 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:楊登偉 / Name of the person who made measurement: Climbgreat Yang



Note**: (1) 針對非金屬材料加入鹼性消化液,加熱至 90~95℃萃取. / For non-metallic material, add alkaline digestion reagent and heat to 90~95℃.

(2) 針對金屬材料加入純水,加熱至沸腾萃取. / For metallic material, add pure water and heat to boiling.

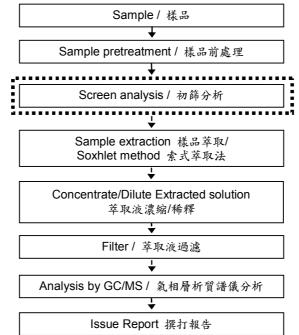
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多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

測試人員:翁賜彬 / 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 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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* 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/2012/65530 NO.1

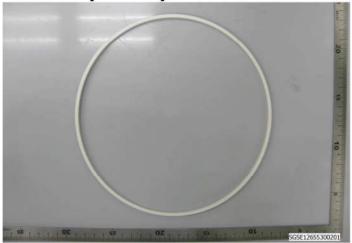


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CE/2012/65530 NO.2

** 報告結尾 (End of Report) **

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