

Test Report

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大同股份有限公司電線電纜事業部

TATUNG CO.WIRE AND CABLE BUSINESS UNIT

桃園縣大園鄉内海村民生路106號

測試需求(Test Requested):

106, MINSHING RD., NEIHAI VILLAGE, TAYUAN, TAOYUAN COUNTY, TAIWAN, 337, R. O. C.

以下測試樣品係由客户送樣,且由客户聲稱並經客户確認如下(The following samples was/were submitted and identified by/on behalf of the client as):

樣品名稱(Sample Description) : PVC COMPOUND

樣品型號(Style/Item No.) : RUS-40

收件日期(Sample Receiving Date) : 2012/10/26

測試期間(Testing Period) : 2012/10/26 TO 2012/11/02

依據客户要求, 參考RoHS 2011/65/EU Annex II 指令進行鎬, 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, PBDEs

contents in the submitted sample.)

參考IEC 62321: 2008方法 / With reference to IEC 62321: 2008. 測試方法(Test Method)

請見下一頁 (Please refer to next pages). 測試結果(Test Results)

根據客户所提供的樣品,其鎬,鉛,汞,六價鉻,多溴聯苯,多溴聯苯醚的測試結果符合 結論(Conclusion)

> 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(s) of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs comply with the limits as set by RoHS Directive 2011/65/EU Annex II;

recasting 2002/95/EC.)



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大同股份有限公司電線電纜事業部 TATUNG CO.WIRE AND CABLE BUSINESS UNIT 桃園縣大園鄉内海村民生路106號 106, MINSHING RD., NEIHAI VILLAGE, TAYUAN, TAOYUAN COUNTY, TAIWAN, 337, R. O. C.

測試結果(Test Results)

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

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	法規 限値 (Limit)
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.	100
鉛 / Lead (Pb)	mg/kg		2	n.d.	1000
汞 / Mercury (Hg)	mg/kg		2	n.d.	1000
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.	1000
多溴聯苯總和 / Sum of PBBs	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.	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		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)	方法偵測 極限値 (MDL)	結果 (Result) No.1	法規 限値 (Limit)
多溴聯苯醚總和 / Sum of PBDEs	mg/kg	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.	-	n.d.	1000
一溴聯苯醚 / Monobromodiphenyl ether	mg/kg		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		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.	-
九溴聯苯醚 / Nonabromodiphenyl ether	mg/kg		5	n.d.	-
十溴聯苯醚 / Decabromodiphenyl ether	mg/kg		5	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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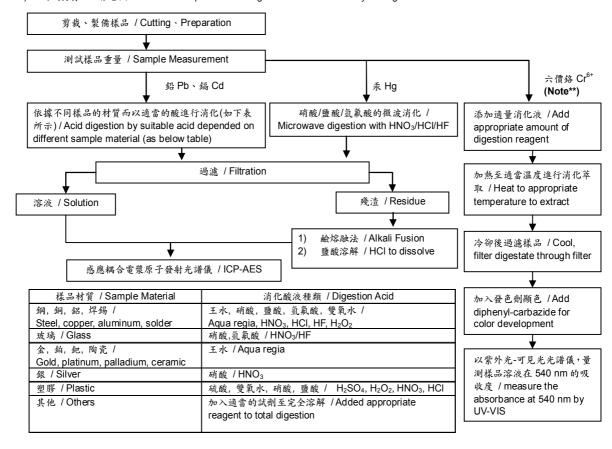
大同股份有限公司電線電纜事業部

TATUNG CO.WIRE AND CABLE BUSINESS UNIT

桃園縣大園鄉内海村民生路106號

106, MINSHING RD., NEIHAI VILLAGE, TAYUAN, TAOYUAN COUNTY, TAIWAN, 337, R. O. C.

- 1) 根據以下的流程圖之條件,樣品已完全溶解。(六價錄測試方法除外) /These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr $^{6+}$ test method excluded)
- 2) 测試人員:楊登偉 / Name of the person who made measurement: Climbgreat Yang
- 3) 测試負責人:張啓興 / Name of the person in charge of measurement: Troy Chang



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,加熱至沸騰萃取. / For metallic material, add pure water and heat to boiling.

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測試報告 **Test Report**

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大同股份有限公司電線電纜事業部

TATUNG CO.WIRE AND CABLE BUSINESS UNIT

桃園縣大園鄉内海村民生路106號

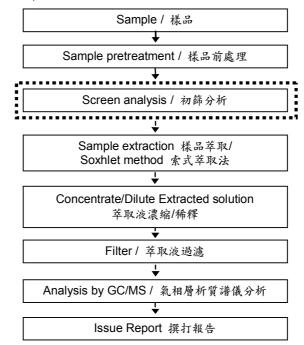
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多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

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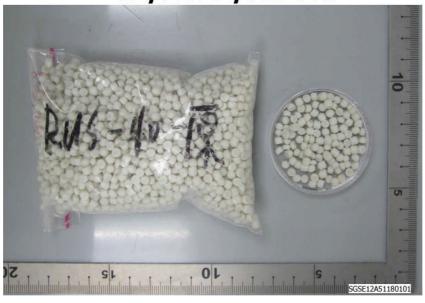
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> * 照片中如有箭頭標示,則表示為實際檢測之樣品/部位. * (The tested sample / part is marked by an arrow if it's shown on the photo.)

> > CE/2012/A5118



** 報告結尾 (End of Report) **

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