

測試報告 號碼(No.): KA/2011/80344 日期(Date): 2011/08/10 頁數(Page): 1 of 6 **Test Report**

日維電子股份有限公司 ZEALWAY ELECTRONICS CO., LTD. 高雄市前鎮區新衙路286-1號3樓之2 3F-2, NO.286-1, SHIN YA RD., CHYAN JENN DIST, KAOHSIUNG, TAIWAN, R.O.C.

以下測試樣品係由客户送樣, 且由客 identified by/on behalf of the	客户聲稱並經客户確認如下(The following samples was/were submitted and client as):
樣品名稱(Sample Description)	: 水泥型鐃線電阻器(WIREWOUND RESISTORS RECTANGULAR TYPE)
收件日期(Sample Receiving Date)	: 2011/08/04
測試期間(Testing Period)	: 2011/08/04 TO 2011/08/09
送樣廠商(Sample Submitted By)	: 日維電子股份有限公司 (ZEALWAY ELECTRONICS CO., LTD.)
The state of the second s	を照RoHS 2011/65/EU Annex II 指令要求. (In accordance with the RoHS irective 2011/65/EU Annex II).
測試結果(Test Results) : 請	青見下一頁 (Please refer to next pages).



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<u>測試結果(Test Results)</u>

測試部位(PART NAME)No.1 : 整體混測:水泥型繞線電阻器 (MIXED ALL PARTS:WIREWOUND RESISTORS RECTANGULAR

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限値	結果 (Result)
	(Unit)		(MDL)	No.1
鎬 / Cadmium (Cd)		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.
鉛 / Lead (Pb)	mg/kg		2	15.3
汞 / Mercury (Hg)	mg/kg		2	n.d.
六價络 / Hexavalent Chromium Cr(VI)	mg/kg	參考IEC 62321: 2008方法,以UV-VIS檢測. / With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.
多溴聯苯總和 / Sum of PBBs	mg/kg	參考IEC 62321: 2008方法,以氣相層析儀/ 質譜儀檢測. / With reference to IEC 62321: 2008 and performed by GC/MS.	-	n.d.
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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3F-2, NO.286-1, SHIN YA RD., CHYAN JENN DIST, KAOHSIUNG, TAIWAN, R.O.C.

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
多溴聯苯醚總和 / Sum of PBDEs	mg/kg		-	n.d.
一溴聯苯醚 / Monobromodiphenyl ether	mg/kg		5	n.d.
二溴聯苯醚 / Dibromodiphenyl ether	mg/kg	參考IEC 62321: 2008方法,以氣相層析儀/	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	質譜儀檢測. / With reference to IEC	5	n.d.
六溴聯苯醚 / Hexabromodiphenyl ether	mg/kg	62321: 2008 and performed by 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.
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 (無規格値)
- 5. 樣品的測試是基於申請人要求混合測試,報告中的混合測試結果不代表其中個别單一材質的含量. (The samples was/were analyzed on behalf of the applicant as mixing sample in one testing. The above results was/were only given as the informality value.)

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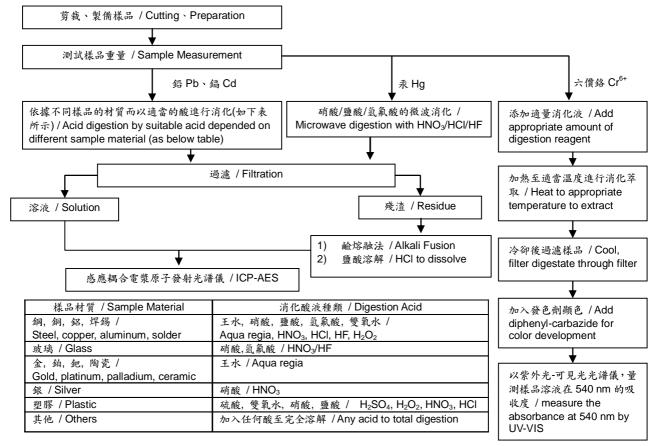
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> 1) 根據以下的流程圖之條件,樣品已完全溶解。(六價 鄉 測 試方法除外) / These samples were dissolved totally by pre-conditioning method according to below flow chart. $(Cr^{6+}$ test method excluded)

測試人員:張俊雄 / Name of the person who made measurement: Alex Chang 2)

測試負責人:張伯睿 / Name of the person in charge of measurement: Ray Chang 3)



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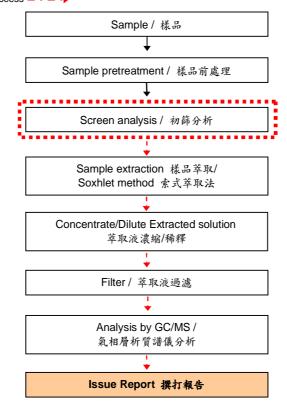
多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

測試人員: 曹嘉琪 / Name of the person who made measurement: Anson Tsao

測試負責人:張伯睿 / Name of the person in charge of measurement: Ray 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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** 報告結尾 (End of Report) **

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