

號碼(No.): KA/2010/11736 日期(Date): 2010/02/02 頁數(Page): 1 of 7

Test Report

國巨股份有限公司楠梓分公司(國巨/飛元/華亞)

YAGEO CORPORATION NANTZE BRANCH (YAGEO/ PHYCOMP/ COMPOSTAR BRAND)

高雄市楠梓加工出口區西三街16號

16, WEST 3RD STREET N. E. P. Z. KAOHSIUNG, TAIWAN, 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)

MULTI-LAYER CERAMIC CAPACITOR

樣品型號(Style/Item No.)

: MLCC Y5V 0201 SERIES

收件日期(Sample Receiving Date)

: 2010/01/26

測試期間(Testing Period)

: 2010/01/26 TO 2010/02/02

測試需求(Test Requested)

測試方法(Test Method)

測試結果(Test Results)

請見下一頁 (Please refer to next pages).

Ray Chang / Asst. Manager/ Signed for and on behalf of SGS Taiwan Limited

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號碼(No.): KA/2010/11736 日期

日期(Date): 2010/02/02

頁數(Page): 2 of 7

Test Report

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測試方法(Test Method)

- * 参考IEC 62321: 2008方法檢測. (With reference to IEC 62321: 2008. Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products).
 - (1) 用感應藕合電漿原子發射光譜儀檢測鎘含量. / Determination of Cadmium by ICP-AFS
 - (2) 用感應藕合電漿原子發射光譜儀檢測鉛含量. / Determination of Lead by ICP-AES.
 - (3) 用感應藕合電漿原子發射光譜儀檢測汞含量. / Determination of Mercury by ICP-AES.
 - (4) 用UV-VIS檢測六價絡含量. / Determination of Hexavalent Chromium by UV/Vis Spectrometry.
 - (5) 以氣相層析儀/質譜儀檢測多溴聯苯和多溴聯苯醚含量. / Determination of PBB and PBDE by GC/MS.

測試結果(Test Results)

: 請見下一頁 (Please refer to next pages).

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號碼(No.): KA/2010/11736 日期(Date): 2010/02/02 頁數(Page): 3 of 7

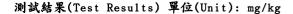
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測試項目 (Test Items)	測試方法 Method (Refer to)	結果 (Result) No.1	方法偵測 極限値 (MDL)
鉛 / Lead (Pb)	(2)	n.d.	2
汞 / Mercury (Hg)	(3)	n.d.	2
六價鉻 / Hexavalent Chromium Cr(VI) by alkaline extraction	(4)	n.d.	2
多溴聯苯總和 / Sum of PBBs	(5)	n.d.	-
一溴聯苯 / Monobromobiphenyl		n.d.	5
二溴聯苯 / Dibromobiphenyl		n.d.	5
三溴聯苯 / Tribromobiphenyl		n.d.	5
四溴聯苯 / Tetrabromobiphenyl		n.d.	5
五溴聯苯 / Pentabromobiphenyl		n.d.	5
六溴聯苯 / Hexabromobiphenyl		n.d.	5
七溴聯苯 / Heptabromobiphenyl		n.d.	5
八溴聯苯 / Octabromobiphenyl		n.d.	5
九溴聯苯 / Nonabromobiphenyl		n.d.	5
十溴聯苯 / Decabromobiphenyl		n.d.	5
多溴聯苯醚總和 / Sum of PBDEs		n.d.	-
一溴聯苯醚 / Monobromodiphenyl ether		n.d.	5
二溴聯苯醚 / Dibromodiphenyl ether		n.d.	5
三溴聯苯醚 / Tribromodiphenyl ether		n.d.	5
四溴聯苯醚 / Tetrabromodiphenyl ether		n.d.	5
五溴聯苯醚 / Pentabromodiphenyl ether		n.d.	5
六溴聯苯醚 / Hexabromodiphenyl ether		n.d.	5
七溴聯苯醚 / Heptabromodiphenyl ether		n.d.	5
八溴聯苯醚 / Octabromodiphenyl ether		n.d.	5
九溴聯苯醚 / Nonabromodiphenyl ether		n.d.	5
十溴聯苯醚 / Decabromodiphenyl ether		n.d.	5

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號碼(No.): KA/2010/11736 日期(Date): 2010/02/02 頁數(Page): 4 of 7

Test Report

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測試部位描述 (TEST PART DESCRIPTION):

NO.1 : 銀色/棕色 MULTI-LAYER CERAMIC CAPACITOR (SILVER/BROWN MULTI-LAYER CERAMIC CAPACITOR)

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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號碼(No.): KA/2010/11736 日期(Date): 2010/02/02 頁數(Page): 5 of 7

Test Report

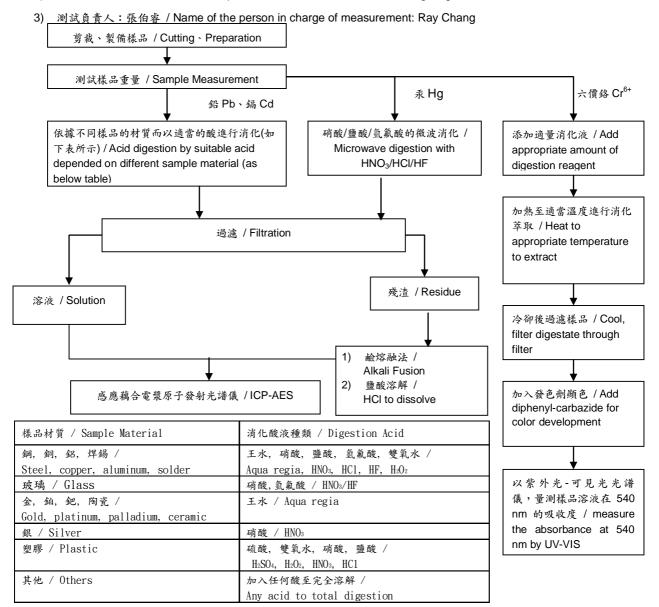
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- 1) 根據以下的流程圖之條件,樣品已完全溶解。(六價鉻測試方法除外) / These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) 測試人員: 李宏明 / Name of the person who made measurement: Hungming Li



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號碼(No.): KA/2010/11736

日期(Date): 2010/02/02

頁數(Page): 6 of 7

Test Report

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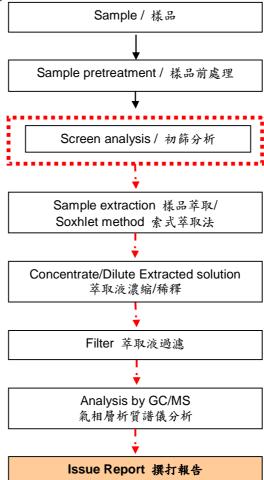
多溴聯苯/多溴聯苯醚 分析流程圖 / PBB/PBDE analytical FLOW CHART

1)測試人員: 曹嘉琪 / Name of the person who made measurement: Anson Tsao 2)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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號碼(No.): KA/2010/11736 日期(Date): 2010/02/02 頁數(Page): 7 of 7

Test Report

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** 報告結尾(End of Report) **

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