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日期(Date): 2010/01/22

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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) 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 NPO 0805 SERIES
	:	BME
收件日期(Sample Receiving Date)	:	2010/01/06
測試期間(Testing Period)	:	2010/01/06 TO 2010/01/22
	=======	
測試需求(Test Requested) :	参照 Ro	SHS 2002/95/EC 及其修定指令要求.(In accordance with the RoHS

Directive	2002/95/EC,	and	its	amendment	directives)	•

測試方法(Test Method)	:	法日丁 万	(D1	c			`
測試結果(Test Results)	:	請見下一頁	(Please	refer	to	next	pages).

Kan

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

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測試方法(Test Method) : 參考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).

- 用感應藕合電漿原子發射光譜儀檢測鎬含量. / Determination of Cadmium by ICP-AES.
- (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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測試報告 **Test Report**

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測試結果(Test Results) 單位(Unit): mg/kg

測試項目	測試方法 Method	結果 (Result)	方法偵測 極限値		
(Test Items)	(Refer to)	No.1	(MDL)		
鎬 / Cadmium (Cd)	(1)	n.d.	2		
鉛 / Lead (Pb)	(2)	n.d.	2		
汞 / Mercury (Hg)	(3)	n.d.	2		
六價鉻 / Hexavalent Chromium Cr(VI) by	(4)	n.d.	2		
alkaline extraction					
多溴聯苯總和 / Sum of PBBs		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	(5)	n.d.	5		
多溴聯苯醚總和 / Sum of PBDEs	(5)	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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<u>測試部位描述 (TEST PART DESCRIPTION):</u>

NO.1 : 銀色/灰色 MULTI-LAYER CERAMIC CAPACITOR (SILVER/GRAY 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 (無規格値)

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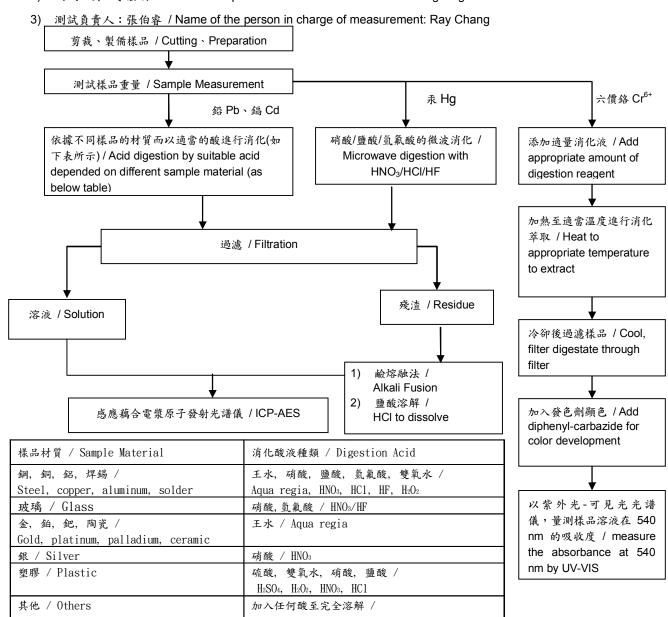
YAGEO CORPORATION NANTZE BRANCH (YAGEO/PHYCOMP/COMPOSTAR)

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.

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. (Cr6+ test method excluded)

測試人員: 本宏明 / Name of the person who made measurement: Hungming Li



Any acid to total digestion without prior written permission of the Unless other

Unless of the results stated the results stated by the results report relation only to the state of the results and results a

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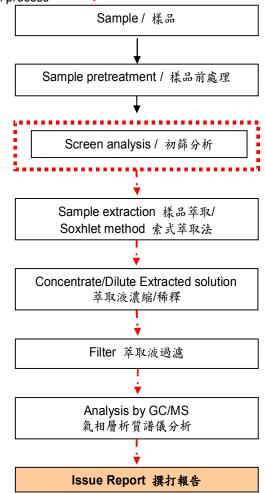
多溴聯苯/多溴聯苯醚 分析流程圖 / PBB/PBDE analytical FLOW CHART

1) 測試人員: 曹嘉琪 / Name of the person who made measurement: Anson Tsao 2) 测試負責人: 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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