

號碼(No.): CE/2010/74833A 日期(Date): 2011/11/30 頁數(Page): 1 of 6

祥開有限公司

HSIANG KAI FU CO., LTD.

台中市西屯區工業區17路2-2號

NO. 2-2, 17TH RD., TAICHUNG INDUSTRIAL PARK, 407 TAICHANG, TAIWAN

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)

樣品型號(Style/Item No.)

收件日期(Sample Receiving Date)

測試期間(Testing Period)

精密鎖定螺帽 (PRECISION LOCKNUT)

SFZ, TMF, MRZ, MA, SR, AM, MKW, MRRA, MFZ, NM, NMV, NMA 具同等效益

2010/07/26

2010/07/26 TO 2010/07/30

測試需求(Test Requested)

測試方法(Test Method)

: 參照 RoHS 2002/95/EC 及其修定指令要求. (In accordance with the RoHS Directive 2002/95/EC, and its amendment directives).

: 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).

(1) 以感應耦合電漿原子發射光譜儀檢測鎘含量. / Determination of Cadmium by ICP-AES.

(2) 以感應耦合電漿原子發射光譜儀檢測鉛含量. / Determination of Lead by ICP-

(3) 以感應耦合電漿原子發射光譜儀檢測汞含量. / Determination of Mercury by ICP-

(4) 以Spot test / boiling water extraction方法檢測六價鉻含量. / Determination of Hexavalent Chromium by Spot test / boiling water extraction Method.

(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.

: 請見下一頁 (Please refer to next pages).

測試結果(Test Results)



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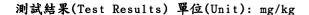
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號碼(No.): CE/2010/74833A 日期(Date): 2011/11/30 頁數(Page): 2 of 6

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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)	Negative	See Note 4
Spot test / boiling water extraction			
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.): CE/2010/74833A 日期(Date): 2011/11/30 頁數(Page): 3 of 6

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測試部位描述(TEST PART DESCRIPTION):

NO.1: 銀/黑色金屬 (SILVER COLORED/BLACK METAL)

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. Spot-test:

Negative = Absence of Cr(VI) coating / surface layer(鍍層中偵測不到六價鉻),

Positive = Presence of Cr(VI) coating / surface layer(鍍層中偵測到六價鉻);

The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed. (當該測項無法確認時,測試樣品可藉由boiling-water-extraction測試方法進一 步確認)

Boiling-water-extraction:

Negative = Absence of Cr(VI) coating / surface layer(鍍層中偵測不到六價鉻),

Positive = Presence of Cr(VI) coating / surface layer(鍍層中偵測到六價鉻);

The detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area. / 該溶液濃度≧0.02 mg/kg with 50 cm² (sample surface area)

5. "-" = Not Regulated (無規格值)

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號碼(No.): CE/2010/74833A 日期(Date): 2011/11/30 頁數(Page): 4 of 6

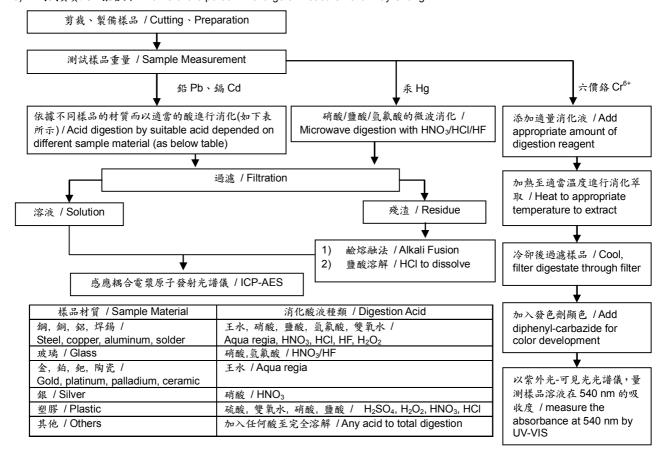
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- 1) 根據以下的流程圖之條件,樣品已完全溶解。(六價鉻測試方法除外) / These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr^{6^+} test method excluded)
- 測試人員:楊登偉 / Name of the person who made measurement: Climbgreat Yang
- 測試負責人:張啓興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



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號碼(No.): CE/2010/74833A 日期(Date): 2011/11/30 頁數(Page): 5 of 6

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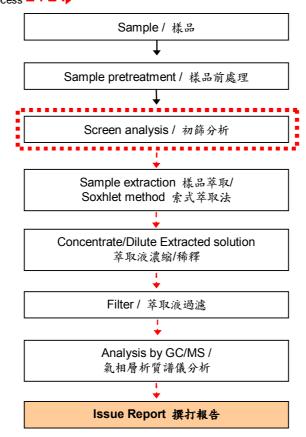
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多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

- 1) 測試人員: 翁賜彬 / Name of the person who made measurement: Roman Wong
- 2) 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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** 報告結尾(End of Report) **

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