

測試報告

號碼 : CE/2006/C2569B 日期 : 2007/01/02 頁數 : 1 of 5

勛昇科技股份有限公司



EXTENSIVE TECHNOLOGY CO., LTD.

台北市內湖區洲子街79號11樓

11F., NO. 79, ZHOUI ST., NEIHU DISTRICT, TAIPEI CITY 11493,
TAIWAN

本報告為客戶所委託的樣品，樣品名稱為"各項橋式整流產品"所做的測試。

Report on the submitted sample said to be BRIDGE RECTIFIER PRODUCTS.

樣品型號(Style/Item No) : WOB / RB-15 / KBP / KBPC-3 / KBPC-6 / KBPC-8 / RS-5 / KBL / KBU / GBPC-316 / MP-10 / MP-15 / KBPC-PT / KBPC-PW / KBPC-PS / MB-35T / MB-35W / DF / GBP / GBL / KBJ / GBJ / GBU / MDB / GBPC-T / GBPC-W / MT-35


收件日期(Sample Receiving Date) : 2006/12/12

測試期間(Testing Period) : 2006/12/12 TO 2006/12/19

=====
測試需求 / Test Requested : 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.

測試方法 / Test Method : (1) 參考BS EN 1122方法B:2001, 用感應耦合電漿原子發射光譜儀檢測鎘含量。 / With reference to BS EN 1122:2001, Method B for Cadmium Content. Analysis was performed by ICP-AES.
(2) 參考US EPA 3050B方法, 用感應耦合電漿原子發射光譜儀檢測鉛含量。 / With reference to US EPA Method 3050B for Lead Content. Analysis was performed by ICP-AES.
(3) 參考US EPA 3052方法, 用感應耦合電漿原子發射光譜儀檢測汞含量。 / With reference to US EPA Method 3052 for Mercury Content. Analysis was performed by ICP-AES.
(4) 針對金屬材質之樣品, 參考IEC 62321, Ed. 1 111/54/CDV方法檢測, 用 Spot test / Colorimetric方法檢測六價鉻含量。 / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Hexavalent Chromium for metallic samples by Spot test / Colorimetric Method.
(5) 針對非金屬材質之樣品, 參考IEC 62321, Ed. 1 111/54/CDV方法檢測, 用UV-VIS檢測六價鉻含量。 / With reference to IEC 62321, Ed.1 111/54/CDV. Determination of Hexavalent Chromium for non-metallic samples by UV/Vis Spectrometry.
(6) 參考US EPA 3540C方法, 以氣相層析儀/質譜儀(GC/MS)檢測多溴聯苯和多溴聯苯醚含量。 / With reference to US EPA 3540C for PBBs/PBDEs Content. Analysis was performed by GC/MS.

測試結果 / Test Result(s) : 請見下一頁。


Daniel Yeh, M.R. / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.

測試報告

號碼：CE/2006/C2569B

日期：2007/01/02

頁數：2 of 5

勛昇科技股份有限公司



EXTENSIVE TECHNOLOGY CO., LTD.

台北市內湖區洲子街79號11樓

11F., NO. 79, ZHOUI ST., NEIHU DISTRICT, TAIPEI CITY 11493,
TAIWAN

測試結果 (單位: mg/kg) / Test Result(s)

測試項目 / Test Item (s):	測試方法 Method (Refer to)	結果 / Result			方法偵測 極限值 (MDL)
		No.1	No.2	No.3	
鎘 / Cadmium (Cd)	(1)	n.d.	---	n.d.	2
鉛 / Lead (Pb)	(2)	n.d.	---	2819.6	2
汞 / Mercury (Hg)	(3)	n.d.	---	n.d.	2
六價鉻 (Spot test / boiling water extraction)	(4)	---	Negative	---	See Note 5
六價鉻 (Alkaline extraction)	(5)	---	---	n.d.	2
多溴聯苯總和 / Sum of PBBs	(6)	---	---	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 (一至九溴) / Sum of PBDEs (Mono to Nona) (Note 4)		---	---	n.d.	-
一溴聯苯醚 / Monobromobiphenyl ether		---	---	n.d.	5
二溴聯苯醚 / Dibromobiphenyl ether		---	---	n.d.	5
三溴聯苯醚 / Tribromobiphenyl ether		---	---	n.d.	5
四溴聯苯醚 / Tetrabromobiphenyl ether		---	---	n.d.	5
五溴聯苯醚 / Pentabromobiphenyl ether		---	---	n.d.	5
六溴聯苯醚 / Hexabromobiphenyl ether		---	---	n.d.	5
七溴聯苯醚 / Heptabromobiphenyl ether		---	---	n.d.	5
八溴聯苯醚 / Octabromobiphenyl ether		---	---	n.d.	5
九溴聯苯醚 / Nonabromobiphenyl ether	---	---	n.d.	5	
十溴聯苯醚 / Decabromobiphenyl ether	---	---	n.d.	5	
多溴聯苯醚總和 (一至十溴) / Sum of PBDEs (Mono to Deca)	---	---	n.d.	-	

測試報告

號碼：CE/2006/C2569B

日期：2007/01/02

頁數：3 of 5

勛昇科技股份有限公司

EXTENSIVE TECHNOLOGY CO., LTD.

台北市內湖區洲子街79號11樓

11F., NO. 79, ZHOUI ST., NEIHU DISTRICT, TAIPEI CITY 11493,
TAIWAN



測試部位描述 / Test Part Description:

- NO.1 : 混測所有銀色金屬 / MIXED ALL SILVER COLORED METAL
NO.2 : 混測所有銀色金屬鍍層 / MIXED ALL PLATING LAYER OF SILVER COLORED METAL
NO.3 : 整顆本體混合測試 / MIXED ALL PARTS OF BODY

Note : 1. mg/kg = ppm

2. n.d. = Not Detected / 未檢出

3. MDL = Method Detection Limit / 方法偵測極限值

4. Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt.

根據2005年10月13日歐盟會議公佈2005/717/EC，修訂2002/95/EC內容，通過解除
高分子材質中十溴聯苯醚之使用限制。

5. Spot-test:

Negative = Absence of CrVI coating, Positive = Presence of CrVI coating;

(The tested sample should be further verified by boiling-water-extraction method if the
spot test result cannot be confirmed.)

Negative=鍍層中偵測不到六價鉻, Positive= 鍍層中偵測到六價鉻;

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 CrVI coating

Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction
solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.

Negative=鍍層中偵測不到六價鉻, Positive=鍍層中偵測到六價鉻;

該濃度溶液 ≥ 0.02 mg/kg with 50 cm² (sample surface area)

6. "-" = Not Regulated / 無規格值

7. "---" = Not Conducted / 未測項目

測試報告

號碼：CE/2006/C2569B

日期：2007/01/02

頁數：4 of 5

勛昇科技股份有限公司

EXTENSIVE TECHNOLOGY CO., LTD.

台北市內湖區洲子街79號11樓

11F., NO. 79, ZHOUI ST., NEIHU DISTRICT, TAIPEI CITY 11493,
TAIWAN



測試報告

號碼：CE/2006/C2569B

日期：2007/01/02

頁數：5 of 5

勛昇科技股份有限公司

EXTENSIVE TECHNOLOGY CO., LTD.

台北市內湖區洲子街79號11樓

11F., NO. 79, ZHOUI ST., NEIHU DISTRICT, TAIPEI CITY 11493,
TAIWAN



** 報告結尾 **