

SGS

測試報告

號碼：CE/2008/C4804 日期：2008/12/25 頁數：1 of 4

深圳市恒新達電子有限公司
深圳市寶安47區翻身路570號金勝大廈



以下測試樣品係由客戶送樣，且由客戶聲稱並經客戶確認如下：

樣品名稱	:	電解電容
SGS參考編號	:	SZ11457713
收件日期	:	2008/12/18.
測試期間	:	2008/12/18 TO 2008/12/25

測試結果 : 請見下一頁.

EVALUATION

Shin-Jyh Chen

Shinjyh Chen / Asst. Manager

Signed for and on behalf of

SGS TAIWAN LTD.

Chemical Laboratory - Taipei

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測試報告

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測試結果

測試部位 NO.1 : 混合黑色塑膠套管及其上的白色印刷和黑色橡膠

測試項目	單位	測試方法	方法偵測 極限值	結果 NO.1
全氟辛酸磺酸 (PFOS) PFOS - Acid PFOS - Metal Salt PFOS - Amide	mg/kg	參考US EPA 3540C: 1996方法, 以液相層析質譜儀檢測全氟辛酸 磺酸含量.	10	n.d.
多苯環芳香族化合物 (PAHs)				
Acenaphthene (CAS No.: 000083-32-9)			0.2	n.d.
Acenaphthylene (CAS No.: 000208-96-8)			0.2	n.d.
Anthracene (CAS No.: 000120-12-7)			0.2	n.d.
Benzo[a]anthracene (CAS No.: 000056-55-3)			0.2	n.d.
Benzo[a]pyrene (CAS No.: 000050-32-8)			0.2	n.d.
Benzo[b]fluoranthene (CAS No.: 000205-99-2)			0.2	6.8
Benzo[g,h,i]perylene (CAS No.: 000191-04-2)			0.2	15.1
Benzo[k]fluoranthene (CAS No.: 000207-08-9)			0.2	4.3
Chrysen (CAS No.: 000118-01-9)		參考US Standard ZEK C.1-8 方法, 以氣相層析質譜儀 (GC/MS)檢測.	0.2	n.d.
Dibenzo[a,h]anthracene (CAS No.: 000053-70-3)			0.2	8.25
Fluoranthene (CAS No.: 000206-44-0)			0.2	n.d.
Fluorene (CAS No.: 000086-73-7)			0.2	n.d.
Indeno[1,2,3-c,d] pyrene (CAS No.: 000193-39-5)			0.2	8.08
Naphthalene (CAS No.: 000091-20-3)			0.2	n.d.
Phenanthrene (CAS No.: 000085-01-8)			0.2	3.05
Pyrene (CAS No.: 000129-00-0)			0.2	15.8
多苯環芳香族化合物16項總和			0.2	61.19

- 備註：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. 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別單一材質的含量。

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參考資料：

依據ZEK 01.1-08之要求：產品中最大值為

項目	第1類	第2類	第3類
	與食品接觸或放入嘴內的材料，以及給三歲以下的幼兒使用的玩具。	持續地(長時間)與皮膚接觸逾30秒，以及不屬第1類的玩具。	暫時地(短時間)與皮膚接觸但不逾30秒或不會與皮膚接觸。
苯駢(a)芘 Benzo[a]pyrene (mg/kg)	<MDL (<0.2)**	1	20
美國環保署規範16項PAH 總濃度 (mg/kg)*	<MDL (<0.2)**	10	200

注意：* = PAH濃度大於0.2mg/kg時，則須計算PAH總濃度值

** = 最大濃度值超出等級一的限制，但在等級二的濃度限制值內時，可能需要確認測試材質是否合適於食品容器或是依照DIN EN1186ff/ §64 LFGB 80.30-1方法，針對特定PAH的遷移測試進行測試。遷移測試的結論需依照食品法規規範

EVALUATION

PFOS參考資料：指令 2006/12/EC

- (1) 該物質不可置於市場上或使用於特殊物質或配置成分重量濃度等於或大於0.005%。
- (2) 該物質不可置於市場上的半成品或商品或其物件；假若零件上明顯地具有PFOS並參照結構上及微細構造上計算PFOS重量濃度等於或大於0.1%，而紡織品或其他覆蓋物質，如果PFOS在覆蓋物質中含量等於或大於1 μ g/m²。

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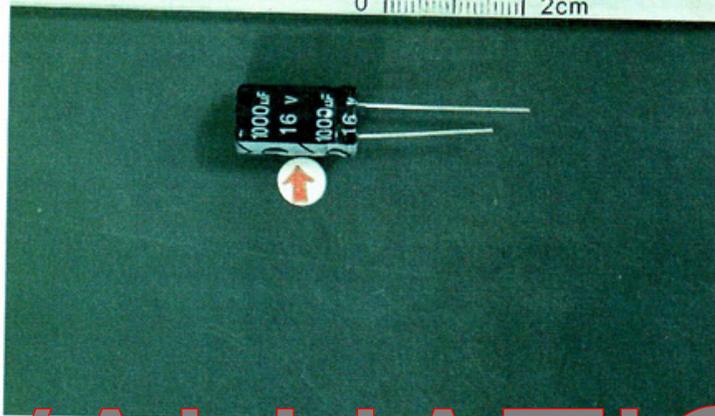
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報告結尾 **

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