

## 規格標準管理明細

編號	93
規格標準分類	資訊產品類
環保標章規格標準	數位相機
版本	1.0.4
更新日期	2011/09/15
環保標章規格標準英文名稱	Digital Cameras
產品相關標示	低污染
產品相關英文標示	Low Pollution
規格標準內容	<p style="text-align: center;">中華民國95年1月6日行政院環境保護署環署管字第0950002201號公告</p> <ol style="list-style-type: none"> <li>1. 本標準適用於由影像感應器、鏡頭、LCD顯示器、記憶裝置及電池等多項零組件所組成，具備以數位方式記錄影像之電子攝影裝置；但不包括具備數位相機功能之行動電話。</li> <li>2. 產品須具備自動進入省電模式或在未使用狀態下進入待機模式之功能。</li> <li>3. 產品若使用特殊或專利電池時，該電池之汞含量應不超過0.1 ppm；鉛、鎘與砷之總含量應不超過20 ppm。另經充放電400次後，該電池之容量仍須大於其標稱容量之80%。</li> <li>4. 產品應為可拆解性，並需附拆解說明書。可拆解性係指使用一般工具(如螺絲起子)即可拆解之特性。</li> <li>5. 產品之塑膠外殼組件應符合ISO 11469規定，凡重量超過25公克或面積超過200平方公厘者，須於明顯處標示清晰之可回收符號與塑膠材質種類，以利後續回收工作。</li> <li>6. 產品之外殼塑膠組件應符合下列要求： <ul style="list-style-type: none"> <li>◦ 不得使用含氯塑膠。</li> <li>◦ 不得含鎘、鉛、六價鉻及汞化合物。</li> <li>◦ 不得含下列阻火物質(flame retardant)： <ol style="list-style-type: none"> <li>a. 多溴聯苯類(polybrominated biphenyls, PBBs)</li> <li>b. 多溴聯苯醚類(polybrominated diphenylethers, PBDEs) monobrominated diphenylether, dibrominated diphenylether, tribrominated diphenylether, tetrabrominated diphenylether, pentabrominated diphenylether, hexabrominated diphenylether, heptabrominated diphenylether, octabrominated diphenylether, nanobrominated diphenylether, decabrominated diphenylether.</li> <li>c. 含10-13個碳原子之含氯鏈狀烴類化合物(chloroparaffins)且氯含量重量比超過50%(含)以上者。</li> </ol> </li> </ul> </li> <li>7. 產品製程與包裝均不得使用蒙特婁議定書之管制物質。</li> <li>8. 標章使用者之名稱及住址須清楚記載於產品或包裝上。標章使用者若為代理商，其製造者之名稱及住址須一併記載於產品或包裝上。</li> <li>9. 產品或包裝上須標示「低污染」。</li> </ol> <p>備註：</p> <ol style="list-style-type: none"> <li>1. 多溴聯苯類與多溴聯苯醚類阻火物質含量之檢測方法應為國際或國家或特定行業之標準方法如US EPA 3540C/8081A/8082A/8270D，其偵測極限應不大於5ppm。</li> <li>2. 10-13個碳原子之含氯鏈狀烴類化合物含量之檢測方法應為國際或國家或特定行業之標準方法如US EPA 8270D/3540C/GC-MSD，其偵測極限應不大於5ppm。</li> <li>3. 六價鉻、鎘、鉛及汞化合物含量之檢測方法應為國際或國家或特定行業之標準方法如US EPA 3060A/3050B/ 3051A/3052，其偵測極限應不大於2ppm或規格標準之容許含量值。</li> <li>4. 電池充放電容量測試之檢測方法應為國際或國家或特定行業之標準方法如IEC602851999 /IEC614361998.1/IEC619602000.11。</li> </ol>
規格標準英文內容	<ol style="list-style-type: none"> <li>1. The digital camera ("product") is defined as an electronic photographic device which consists of image sensor, lenses, LCD display, memory device and battery, and is capable of recording images through digital means. Mobile phones with digital camera function shall be excluded.</li> <li>2. The product shall be capable of automatically entering power saving mode or power down after being left inactive.</li> <li>3. If special or proprietary battery is used in the product, its content of mercury shall not exceed 0.1 ppm and the total content of lead, cadmium and arsenic shall not exceed 20 ppm in the battery. The battery shall be capable of delivering 80% rated capacity after 400 discharge/charge cycles.</li> <li>4. The product shall be disassemblable, meaning it can be disassembled with regular tools (for example, a screw driver).</li> <li>5. The product's plastic casing shall meet the requirements of ISO 11469, which include labelling all major plastic components which weigh more than 25g or with surface area great than 200? in prominent area to indicate the composition code and recycling symbol to facilitate future recycling.</li> <li>6. The product's plastic casing shall meet the following requirements: <ul style="list-style-type: none"> <li>◦ shall not use chlorinated plastics;</li> <li>◦ shall not contain cadmium, lead, hexavalent chromium or mercury;</li> <li>◦ shall not contain the following flame retardants: <ol style="list-style-type: none"> <li>1. polybrominated biphenyls (PBBs)</li> <li>2. polybrominated diphenylethers (PBDEs): monobrominated diphenylether, dibrominated diphenylether, tribrominated diphenylether, tetrabrominated diphenylether, pentabrominated diphenylether, hexabrominated diphenylether, heptabrominated diphenylether, octabrominated diphenylether, nanobrominated diphenylether, decabrominated diphenylether</li> <li>3. chloroparaffins with 10-13 carbon atoms per molecule and chlorine content of greater than 50% by weight.</li> </ol> </li> </ul> </li> <li>7. The manufacturing process for product and its packaging shall not use substances controlled by the Montreal Protocol.</li> </ol>

8. The name and address of the Green Mark user shall be clearly printed on the product or on the packaging material. For non-manufacturing Logo users, the manufacturer's name and address shall also be shown.
9. The product or its packaging shall bear a label reading "Low Pollution".

**Note** Special or proprietary battery does not include one-time use disposal battery or generic AA, AAA, or AAAA size rechargeable batteries.

**Notes**

1. Determinations of polybrominated biphenyls and polybrominated diphenylethers flame retardants shall be based on international, national or specific industry standards, such as the US EPA 3540C/8081A/8082A/8270D, and the detection limits shall be no greater than 5 ppm.
2. Determinations of chloroparaffins with 10-13 carbon atoms per molecule shall be based, in the order of preference, on international, national or specific industry standards, such as the US EPA 270D/3540C/GC-MSD, and the detection limits shall be no greater than 5 ppm.
3. Determinations of cadmium, lead, hexavalent chromium and mercury, shall be based, in the order of preference, on international, national or specific industry standards, such as US EPA 3050B/3051A/3052/3060A, and the detection limits shall be no greater than 2 ppm.
4. Determinations of the discharge/charge capacity of the batteries shall be based on international, national or specific industry standards, such as the IEC 602851999 /IEC 614361998.1/IEC 619602000.11.