

Product environmental attributes - THE ECO DECLARATION

The declaration may be published only when all rows and/or fields marked with an * are filled-in (n.a. for not applicable).

Additional information regarding each item may be found under P14.

| Brand * | Hewlett-Packard | Logo |
|------------------------|---|------|
| Company name * | Hewlett-Packard Company | |
| Contact information * | Hans Wendschlag http://www.hp.com/hpinfo/globalcitizenship/environment/contactem ail.html | WP) |
| Internet site * | http://www.hp.com/hpinfo/globalcitizenship/environment/ | |
| Additional information | | |

| | The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration. | | | | |
|------------------------|--|--|--|--|--|
| Type of product * | Consumer Display | | | | |
| Commercial name * | HP Pavilion 23xi 23-Inch IPS LED Backlit Monitor | | | | |
| Model number * | 23xi | | | | |
| Issue date * | 11/19/2012 | | | | |
| Intended market * | Global Europe Asia, Pacific & Japan Americas Other | | | | |
| Additional information | | | | | |

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

| Quality | Quality Control | | |
|---------|--|------|----|
| Item | | Yes | No |
| QC1 * | The company enforces an internal quality control scheme to ensure the correctness of this eco declaration | | |
| QC2 * | The company is a member of an eco declaration system that enforces regular independent quality control such as organized by IT-Företagen (see www.itecodeclaration.org). | ol 🔀 | |

| Model number * | 23xi | | |
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| Product | oduct environmental attributes - Legal requirements | | | |
|-----------------|---|-------------|----------|-----------|
| Item | | Yes | No | n.a. |
| P1 | Hazardous substances and preparations | | | |
| P1.1* | Products do not contain more than; 0.1% lead, 0.01% cadmium, 0.1% mercury, 0.1% hexavalent chromium, 0.1% polybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See legal reference and Note B1) | | | |
| P1.2* | Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value. | \boxtimes | | |
| P1.3* | Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), | \boxtimes | | - |
| | hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum | _ | | |
| D4 4* | concentration values. | | | |
| P1.4* | Products do not contain more than; 0.005% polychlorinated biphenyl (PCB), 0.005% polychlorinated terphenyl (PCT) in preparations (see legal reference). | | <u> </u> | |
| P1.5* | Products do not contain more than 0.1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference). | | Ш | |
| P1.6* | Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS), Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference). Comment: Legal reference has no maximum concentration values. | | | |
| P1.7* | Textile and leather parts with direct skin contact do not contain more than 0.003% Azo colorants that split aromatic amines. (See legal reference and Note B1) | | | |
| P1.8* | Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as | | | \square |
| | pentachlorophenol and derivatives (see legal reference). | | | |
| 5.4.5. | Comment: Legal reference has no maximum concentration values. | | | |
| P1.9* | Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm²/week (see legal reference). | | | |
| P1.10* | Comment: Max limit in legal reference when tested according to EN1811:1998. REACH Article 33 information about substances in articles is available at (add URL or mail contact): | | | |
| | http://www.hp.com/hpinfo/globalcitizenship/environment/productdata/reachdesktop-pcs.html | | | |
| P2 | Batteries | | | |
| P2.1* | If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains more than 0.0005% of mercury (for button cells only) by weight, or more than 0.004% of lead, it shall be marked with the chemical symbol for the metal concerned, Hg or Pb. Information on proper disposal is provided in user manual. (See legal reference) | | | Ш |
| P2.2* | Button cells used in the product do not contain more than 2% by weight of mercury. Other batteries or accumulators do not contain more than 0.0005% of mercury or 0.002% of cadmium. (See legal reference) | | | |
| P2.3* | Batteries and accumulators are easily removable by either users or service providers (as dependent on the | | | \square |
| . 2.0 | design of the product). Exception: Batteries that are permanently installed for safety, performance, medical or data integrity reasons do not have to be "easily removable". (See legal reference) | | Ш | |
| P3 | Safety, EMC connection to the telephone network and labeling | | | |
| P3.1* | The product complies with legally required safety standards as specified (see legal reference). | | | |
| P3.2* | The product complies with legally required standards for electromagnetic compatibility (see legal reference). | | Ħ | Ħ |
| P3.3* | If product is intended for connection to a public telecom network or contains a radio transmitter, it complies with legally required standards for radio and telecommunication devices (see legal reference). | | | |
| P3.4* | The product is labeled to show conformance with applicable legal requirements (see legal reference). | \square | | |
| P4 | Consumable materials | | | |
| P4.1* | If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.01% (see legal reference and Note B1). | | | |
| P4.2* | If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference). | | | \square |
| P4.3* | If the ink/toner formulation/preparation is classified as hazardous according to applicable regulations, the product/packaging is adequately labeled and a Safety Data Sheet (SDS) in accordance with these | | | |
| DE | requirements is available (see legal reference). | | | |
| P5 P5.1* | Product packaging Packaging and packaging components do not contain more than 0.01% lead, mercury, cadmium and | | | |
| | hexavalent chromium by weight of these together. | | | |
| P5.2* | Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference). | | Щ. | Щ_ |
| P5.3* | The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values. | | Ш | |

Note B1: Restriction applies to the homogeneous material, unless other specified and expressed in weight %.

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| Product | | equire | ment | met |
|----------------|--|-------------|-------------|-------------|
| Item | *=mandatory to fill in. Additional information regarding each item may be found under P14. | Yes | No | n.a. |
| P6 | Treatment information | | | |
| P6.1* | Information for recyclers/treatment facilities is available (see legal reference). | \boxtimes | | |
| P7 | Design Disassembly, recycling | | | |
| P7.1* | Parts that have to be treated separately are easily separable | \square | | |
| P7.2* | Plastic materials in covers/housing have no surface coating. | | | Ī |
| P7.3* | Plastic parts >100g consist of one material or of easily separable materials. | \boxtimes | | |
| P7.4* | Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043. | | | |
| P7.5 | Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools. | | | |
| P7.6* | Labels are easily separable. (This requirement does not apply to safety/regulatory labels). | | | |
| | Product lifetime | | | |
| P7.7* | Upgrading can be done e.g. with processor, memory, cards or drives | | | \boxtimes |
| P7.8* | Upgrading can be done using commonly available tools | | | \boxtimes |
| P7.9. | Spare parts are available after end of production for: 3 years | | | |
| P7.10 | Service is available after end of production for: years | | | \boxtimes |
| | Material and substance requirements | | | |
| P7.11* | Product cover/housing material type: | | | |
| | Material type: Material type: Material type: | | | |
| P7.12 | Electrical cable insulation materials of power cables are PVC free. | | \boxtimes | |
| P7.13 | Electrical cable insulation materials of signal cables are PVC free | | \boxtimes | |
| P7.14 | All cover/housing plastic parts >25g are free from chlorine and bromine. | | | |
| P7.15 | All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See | \boxtimes | | |
| | Note B2) | | | |
| P7.16 | Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking: | | | |
| P7.17 | Alt. 1 Chamical appoiling tions of flows retardants in printed six wit boards a 25 g (without components): | | | |
| | Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive), TBBPA (reactive), Other; chemical name: , CAS #: | Ш | Ш | Ш |
| | TBBFA (additive) , TBBFA (reactive) , Other, Chemical Hame. , CAS #. | | | |
| | Alt. 2 | | | |
| | Chemical specifications of flame retardants in printed circuit boards (without components) >25g according | | | \boxtimes |
| D7.40 | ISO 1043-4: | | | |
| P7.18 | Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in | | | |
| | concentrations above 0.1%: | ш | Ш | ш |
| | Comment: No legal limits exist, this is a market requirement. | | | |
| | 1. Chemical name: , CAS #: | | | |
| | 2. Chemical name: , CAS #: | | | |
| | 3. Chemical name: , CAS #: | | | |
| | Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: | | | |
| | | | | \boxtimes |
| P7.19 | Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, | \boxtimes | | |
| D7.66 | R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) | | | |
| P7.20 | Of total plastic parts' weight >25g, recycled material content is 0%. | | | |
| P7.21 P7.22 | Of total plastic parts' weight >25g, biobased material content is 0%. Light sources are free from mercury | | | |
| | If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg | \boxtimes | Ш | Ш |
| P8 | Batteries | | | |
| P8.1* | Battery chemical composition: | | | X |
| P8.2 | Batteries meet the requirements of the following voluntary program/s: | | | X |

Note B2: IEC61249-2--21 has maximum limits for chlorine and bromine but does not address fluorine, iodine and astatine which are included in the group of halogens.

Note B3: 'Starting from January 2009, Risk phrases can be replaced by Hazard phrases according to the Globally Harmonized System (GHS), mandatory by December 2010.

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| Product environ | mental attributes - Market requirements (continued) | | Require | ment | met |
| Item | | | Yes | No | n.a. |
| P9 Energy | consumption | | | | |

| Product 6 | Product environmental attributes - Market requirements (continued) Requirement met | | | | | |
|---|--|---|--|---|---|--|
| Item | | | | | Yes No n.a. | |
| P9 | Energy consumpt | ion | | | | |
| 9.1 For the product the following power levels or energy consumptions are reported: | | | | | | |
| Energy mo | de * | Power level at 100 V AC | Power level at 115 V AC | Power level a | at Reference / Standard for energy modes and test method * | |
| ENERGY S (System Id | STAR® On Mode * le) | 21.11 W | 21.02 W | 20.83 W | ENERGY STAR® Program Requirements for Computer Monitors: Ver. 5.0 | |
| ENERGY S Sleep Mod | STAR® Low Power e * | 0.46 W | 0.46 W | 0.48 W | ENERGY STAR® Program Requirements for Computer Monitors: Ver. 5.0 | |
| ENERGY S | STAR® Off / Off Mode* | 0.35 W | 0.35 W | 0.37W | ENERGY STAR® Program Requirements for Computer Monitors: Ver. 5.0 | |
| Display res | solution* : 1920 * 10 8 | 80 Megapixels | | | ENERGY STAR® Program Requirements for Computer Monitors: Ver. 5.0 | |
| Default tim | e to enter energy sa | ve mode: minu | utes | | ENERGY STAR® Program Requirements for Computers: Ver. 5.0 | |
| P9.2* | Information about t | he energy save functio | n is provided with th | e product. | | |
| P9.3* | ENERGY STAR® v | the energy requirement version: 5.1 Tier: 1 Pro | nts of the following voduct category: Disp | oluntary program/s: <mark>lay</mark> | | |
| D40 | Others specify: | | | | | |
| P10 | Emissions | Declared according to | ISO 0206 | | | |
| P10.1 | | Mode description | 150 9290 | Declared | Declared A-weighted | |
| | | | | A-weighted sound power | sound pressure level $L_{p{\sf Am}}$ (dB) | |
| | | | | level $L_{W 	extsf{Ad}}$ (B) O | perator position Bystander positions | |
| | | | | | or Desk side (only if product is not operator attended) | |
| | Idle | | * | • | | |
| | Operation | | 4 | • | | |
| | Other mode | | | | | |
| | Measured according | ig to: ISO7779 Other | ECMA-74 | hy FCMA-74 with | | |
| P10.2 | Other (only if not covered by ECMA-74 with L _{pAm} measurement distance m) The product mosts the accustic poice requirements of the following valuators program/s: | | | | | |

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| Product | environmental attributes - Market requirements (continued) | equire | ment | met | |
|------------|--|-------------|------------|-------------|--|
| Item | | Yes | No | n.a. | |
| | Chemical emissions from printing products | | | | |
| P10.3* | Test performed according to ECMA-328 (ISO/IEC 28360) standard , other specify: | | | \boxtimes | |
| P10.4 | Typical emission rate (print phase) is (mg/h): | | | \boxtimes | |
| | Dust Ozone Styrene Benzene TVOC | | | | |
| P10.5 | Chemical emission requirements of the following voluntary program/s are met for : | | | \boxtimes | |
| | Dust Ozone Styrene Benzene TVOC | | | | |
| | Electromagnetic emissions | | | | |
| P10.6 | Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary | | | | |
| | program/s: | | | | |
| P11 | Consumable materials for printing products | | | | |
| P11.1* | A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3). | | | \boxtimes | |
| P11.2* | Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN12281. | | | | |
| P11.3* | 2-sided (duplex) printing/copying is an integrated product function. | | | \boxtimes | |
| P12 | Ergonomics for computing products | | | | |
| P12.1* | The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies. | | | | |
| P12.2* | The physical input device meets the requirements of ISO 9995 and ISO 9241-410. | | | \boxtimes | |
| P13 | Packaging and documentation | | | | |
| P13.1* | Product packaging material type(s): PAPER/Corrugated weight (kg): 0.878 | | | | |
| | Product packaging material type(s): PLASTIC/Polyethylene high density weight (kg): 0.0279 | | | | |
| | Product packaging material type(s): PLASTIC/EPS (Expanded Polystyrene) weight (kg): 0.112 Product packaging material type(s): PLASTIC/Polyester weight (kg): 0.0075 | | | | |
| P13.2* | Product plastic packaging is free from PVC. | X | | | |
| P13.3* | Specify media for user and product documentation (tick box): | | | Ħ | |
| 1 10.0 | Electronic , Paper , Other | | | | |
| P13.4* | For paper user and product documentation, please specify contained percentage of post-consumer recycled | | | | |
| | fiber: 0% | | | | |
| Rev. | User and product documentation do not contain chlorine bleached paper | \boxtimes | | | |
| P13.5 | ALIW II (C (O N (D)) | | | | |
| P14 All | Additional information (See Note B4) 1. Product environmental information contained in this declaration is valid as of the date the declaration is public | ahad C | `honaa | o to | |
| sections | external standards referenced in the IT Eco-Declaration may invalidate some information contained in this declaration is valid as of the date the declaration is public external standards referenced in the IT Eco-Declaration may invalidate some information contained in this declaration is valid as of the date the declaration is public. | | | | |
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Note B4: Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Legal references Europe Annex B

| Reference | Declaration item |
|--|------------------------------|
| 2002/95/EC (ROHS Directive) | P1.1, P4.1 |
| REACH, Annex XVII | P1.6, P1.8, P4.2 |
| REACH, Annex XVII | P1.4 |
| REACH, Annex XVII | P1.2 |
| REACH, Annex XVII | P1.7 |
| REACH, Annex XVII | P1.9 |
| Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000 | P1.3 |
| Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002 | P1.5 |
| 2006/66/EC (Battery and accumulators Directive) | P2.1, P2.2, P2,3, P3.4, P8.1 |
| 2006/95/EC (Low Voltage Directive) | P3.1, 3.4 |
| 2004/108/EEC (New EMC Directive) | P3.2, 3.4 |
| 1999/5/EC (R&TTE Directive) | P3.3, 3.4 |
| "REACH" Regulation (1907/2006), annex VII | P1.10 |
| (EC) No.1272/2008 regulation on classification, labeling and packaging (CLP) | P4.3 |
| REACH article 31, annex II | P4.3 |
| 2004/12/EC (Directive on packaging and packaging waste) | P5.1 |
| (97/129/EC) (Commission Decision on Identification System for Packaging Materials | P5.2 |
| 2037/2000/EC Regulation on Substances that Deplete the Ozone Layer | P5.3 |
| 2002/96/EC (WEEE directive) | P3.4, P6.1 |
| (EC) No.1272/2008 regulation on classification, labeling and packaging (CLP) | P7.19 |