

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	
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 * Display				
Commercial name *	HP EliteDisplay E221 21.5-inch LED Backlit Monitor			
Model number *	E221			
Issue date *	4/1/2013			
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	Control	Requireme	nt met
Item		Yes	No
QC1 *	The company enforces an internal quality control scheme to ensure the correctness of this eco declaration	\boxtimes	
QC2 *	The company is a member of an eco declaration system that enforces regular independent quality contro such as organized by IT-Företagen (see www.itecodeclaration.org).	ol 🔀	

Model number *	E221		
Issue date *	4/1/2013	Logo	(II)

Product	environmental attributes - Legal requirements	Requirement me			
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),	\square			
1 1.0	hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1- trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum 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).	\square			
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).	\boxtimes			
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)	\boxtimes			
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives (see legal reference).				
P1.9*	Comment: Legal reference has no maximum concentration values. Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5				
F1.9	microgram/cm ² /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:1998.				
P1.10*	REACH Article 33 information about substances in articles is available at (add URL or mail contact):	\square			
-	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)				
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)		\boxtimes		
P2.3*	Batteries and accumulators are easily removable by either users or service providers (as dependent on the 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)				
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).	\boxtimes			
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal reference).				
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).	\boxtimes			
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).			\boxtimes	
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 requirements is available (see legal reference).				
P5	Product packaging				
P5.1*	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).				
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.				

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

Issue date * 4/12013 Logo Product environmental attributes - Market requirements - Environmental conscious design Requirement meet Requirement meet Net Market attributes - Market requirements - Environmental conscious design Requirement meet Requirement meet Net Market attributes - Market requirements - Environmental conscious design Requirement meet Net Market attributes - Market requirements - Environmental conscious design P1 Information Proceed/environmental attributes - Market requirements - Environmental conscious design No n. P1 Product metrins in covershousing have no surface coaring. No No No P7.2 Plastic parts >100g consist of one material or of easily separable No No No P7.3 Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools. No No No P7.4 Used are easily separable. (This requirement does not apply to satelyregulatory labels). No No No P7.4 Used are easily separable. This requirement does not apply to satelyregulatory labels). No No No P7.4 Used are easily separable after end of production for: 5 years No No No P7.10 Service is available after end of production for: 5 years No No	Model nu	umber *	E221				
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P6.11 Information for recyclers/treatment facilities is available (see legal reference). Image: Contemportal State Stat					Yes	No	n.a.
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Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive) TBBPA (reactive) Other; chemical name: CAS #: Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: <i>FR(40)</i> P7.18 Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. 1. Chemical name: 1. Chemical name: , CAS #: 2. Chemical name: , CAS #: 3. Chemical name: , CAS #: 4.t. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, tocycled material content is 13.6 %. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8.1 Bat	P7.16	Flame re	tarded plastic parts >25g in covers / housings are marked according ISO 1043-4:				
TBBPA (additive) , TBBPA (reactive) , Other; chemical name: , CAS #: Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: <i>FR(40)</i>	P7.17		l specifications of flame retardants in printed circuit boards >25g (without compone	nts):			
Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: <i>FR(40)</i> P7.18 Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: □ Comment: No legal limits exist, this is a market requirement. 1. Chemical name: , CAS #: 2. Chemical name: , CAS #: 3. Chemical name: , CAS #: 3. Chemical name: , CAS #: □ Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, isobased material content is <i>13.6</i> %. P7.21 Of total plastic parts weight >25g, biobased material content is <i>0</i> %. P7.22 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition:							
Chemical specifications of flame retardants in printed circuit boards (without components) >25g according Image: ISO 1043-4: FR(40) P7.18 Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Image: Image		(
P7.18 Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in		Chemica		25g according			
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2. Chemical name: , CAS #: 3. Chemical name: , CAS #: Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, 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 13.6 %. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition:							
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Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: Image: Chemical specifications of flame retardant substances/ preparations above 0.1% classified as R45, 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 13.6%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury lf mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition:			carname. , CAS #.				
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P7.22 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg Image: mg P8 Batteries Image: mg P8.1* Battery chemical composition: Image: mg							
If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries Image: Composition: Image: Composition: P8.1* Battery chemical composition: Image: Composition: Image: Composition:							
P8 Batteries P8.1* Battery chemical composition:	P7.22	-	•	~~~~~	\bowtie		
P8.1* Battery chemical composition:	P8			ng			

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.

Model number *	E221		
Issue date *	4/1/2013	Logo	(p)

Product e	Product environmental attributes - Market requirements (continued) Requirement met					
Item	tem Yes No n.a					
P9	P9 Energy consumption					
9.1	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 230 V AC	at Reference / Standard for energy modes and test method *	
ENERGY S (System Id	STAR® On Mode * le)	18.69 W	18.59 W	18.34 W	ENERGY STAR [®] Program Requirements for Computer Monitors: Ver. 6.0	
ENERGY S Sleep Mod	STAR® Low Power e *	0.25 W	0.17 W	0.23 W	ENERGY STAR [®] Program Requirements for Computer Monitors: Ver. 6.0	
Apparent C		0.18 W	0.12 W	0.17 W	ENERGY STAR [®] Program Requirements for Computer Monitors: Ver. 6.0	
Display res	solution* : 1920*108	0 Megapixels			ENERGY STAR [®] Program Requirements for Computer Monitors: Ver. 6.0	
Default tim	e to enter energy sa	ve mode: minu	ites		ENERGY STAR [®] Program Requirements for Computers: Ver. 6.0	
P9.2*		he energy save functio	•			
P9.3*	ENERGY STAR®	the energy requiremer version: 6.0 Product ca		oluntary program/	's:	
P10	Others specify: Emissions					
FIU		Declared according to	150 9296			
P10.1		Node description	100 0200	Declared	Declared A-weighted	
		····		A-weighted sound power	sound pressure level L_{pAm} (dB)	
					Operator position Bystander positions	
					Desktop (only if product is not operator attended)	
	Idle		•	•		
	Operation		t -	¢		
	Other mode					
	Measured accordin	g to: ISO7779 Other	ECMA-74 (only if not covered	d by ECMA-74 wit	h L _{pAm} measurement distance m)	
P10.2						

Model number *	E221		
Issue date *	4/1/2013	Logo	(II)

Product	environmental attributes - Market requirements (continued)	Require	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:			\square
P10.4	Typical emission rate (print phase) is (mg/h):			\mathbf{X}
	Dust Ozone Styrene Benzene TVOC			
P10.5	Chemical emission requirements of the following voluntary program/s are met for :			X
	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).			\mathbf{X}
P11.2*	Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements o EN12281.	f		\boxtimes
P11.3*	2-sided (duplex) printing/copying is an integrated product function.			\mathbf{X}
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.			
P13	Packaging and documentation			
P13.1*	Product packaging material type(s): PAPER/Cardboard & misc weight (kg): 0.8 Product packaging material type(s): PLASTIC/EPS (Expanded Polystyrene) weight (kg): 0.32 Product packaging material type(s): PLASTIC/Polyethylene low density weight (kg): 0.32			
P13.2*	Product plastic packaging is free from PVC.	\boxtimes		
P13.3*	Specify media for user and product documentation (tick box):			
	Electronic 🔀, Paper 🔲, Other 🗌			
P13.4*	For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber: 75 %			
Rev. P13.5	User and product documentation do not contain chlorine bleached paper	\boxtimes		
P14	Additional information (See Note B4)			
All	1. Product environmental information contained in this declaration is valid as of the date the declaration is pub			
sections	external standards referenced in the IT Eco-Declaration may invalidate some information contained in this dec	claration o	ver tir	ne.

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