

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 *	Display				
Commercial name *	HP Z24i 24-inch IPS Display				
Model number *	Z 24i				
Issue date *	8/1/2013				
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 control such as organized by IT-Företagen (see www.itecodeclaration.org).	ol 🔀	

Model number *	Z 24i		
Issue date *	8/1/2013	Logo	

Product	environmental attributes - Legal requirements	Require	ment	met
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).	\boxtimes		
	Comment: Legal reference has no maximum concentration value.			
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			
5	concentration values.			
P1.4*	Products do not contain more than; 0.005% polychlorinated biphenyl (PCB), 0.005% polychlorinated	\boxtimes		
D4 5*	terphenyl (PCT) in preparations (see legal reference).			
P1.5*	Products do not contain more than 0.1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the	\boxtimes		
P1.6*	chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).		_	_
P1.6"	Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS),	\boxtimes		
	Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference).			
P1.7*	Comment: Legal reference has no maximum concentration values.		$\overline{}$	
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)	\bowtie	Ш	
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as		$\overline{}$	
F1.0	pentachlorophenol and derivatives (see legal reference).	Ш		igtriangledown
	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	\square	\neg	$\overline{}$
1 1.5	microgram/cm ² /week (see legal reference).		Ш	Ш
	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):		$\overline{}$	\Box
	http://www.hp.com/hpinfo/globalcitizenship/environment/productdata/reachdesktop-pcs.html		ш	
P2	Batteries			
P2.1*				
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		\boxtimes	Ш
	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			
1 2.2	accumulators do not contain more than 0.0005% of mercury or 0.002% of cadmium. (See legal reference)	ш		
P2.3*	Batteries and accumulators are easily removable by either users or service providers (as dependent on the		$\overline{}$	\square
1 2.0	design of the product). Exception: Batteries that are permanently installed for safety, performance, medical	ш	ш	
	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).	\square	$\overline{}$	
P3.2*			#	╫
	The product complies with legally required standards for electromagnetic compatibility (see legal reference).		<u></u>	-
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it complies	\boxtimes		
Do 11	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			\boxtimes
	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		$\overline{\Box}$	$\overline{\mathbb{X}}$
	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	\boxtimes		
	hexavalent chromium by weight of these together.			
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	\boxtimes		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal		一	Ħ
	Protocol (see legal reference).		ш	
	Comment: Legal reference has no maximum concentration values.			ļ

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.		$\overline{\mathbb{X}}$	
P7.3*	Plastic parts >100g consist of one material or of easily separable materials.			
P7.4*	Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.	\boxtimes		
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).	X		
	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: 5 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: ABS 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.	\boxtimes		
	(See Note B2)			
P7.16	Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking:			
P7.17	Alt. 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components):			
	TBBPA (additive) , TBBPA (reactive) , Other; chemical name: , CAS #:	ш	ш	Ш
	, or one			
	Alt. 2			
	Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: <i>FR(4), FR(140)</i> for <i>Halogen -Free Organic Phosphorus Compounds</i>			
P7.18	Alt. 1			
F1.10	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 #: Alt 2			
	Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4:			
			Ш	
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 17.7%.			
P7.21	Of total plastic parts' weight >25g, biobased material content is 0%.			
P7.22	Light sources are free from mercury	\boxtimes		
D 0	If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg			
P8	Batteries			<u> </u>
P8.1*	Battery chemical composition:			
P8.2	Batteries meet the requirements of the following voluntary program/s:			IXI

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 e	nvironmental attributes - Market requirements (continued)		Require	ment	met
Item			Yes	No	n.a.
P9	Energy consumption				
9.1	For the product the following power levels or energy consumptions are reported:	_			

	rrounct environmental attributes - market requirements (continued)							
Item						n.a.		
P9								
9.1	For the product the	e following power levels	or energy consump	otions are report	ed:			
Energy mo	ode *	Power level at 100 V AC	Power level at 115 V AC	Power level 230 V AC	at	Reference / S modes and test m		
ENERGY S (System Id	STAR® On Mode * fle)	15.57 W	15.57 W	15.51 W		ENERGY STAR® Requirements for Ver. 6.0	Program Computer Monitors:	
ENERGY S Sleep Mod	STAR® Low Power le *	0.15 W	0.16 W	0.22 W		Ver. 6.0	Computer Monitors:	
Apparent C		0.14 W	0.15 W	0.2 W		Ver. 6.0	Computer Monitors:	
Display res	solution* : 1920*120	00 Megapixels				ENERGY STAR® Requirements for Ver. 6.0	Program Computer Monitors:	
Default tim	ne to enter energy sa	ive mode: minu	utes			ENERGY STAR® Requirements for	Program Computers: Ver. 6.0	
P9.2*	Information about t	the energy save functio	n is provided with th	ne product.				
P9.3*		the energy requiremer version: 6.0 Product ca		oluntary prograr	n/s:			
	Others specify:							\square
P10	Emissions	5	100 000					
D10.1		Declared according to	ISO 9296		1			1 5 1
P10.1	Mode	Mode description		Declared A-weighted sound power		Declared A sound pressure le	-	
				level L_{WAd} (B)	Ope	rator position	Bystander positions	
				WAd()		Desktop or Desk side	(only if product is not operator attended)	
	Idle			*			.,	
	Operation			*				
	Other mode							
	Measured according to: ISO7779 ECMA-74							
Other (only if not covered by ECMA-74 with L _{pAm} measurement distance m)					Ц			
P10.2	P10.2 The product meets the acoustic noise requirements of the following voluntary program/s:						\boxtimes	

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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:			\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 o EN12281.	f		
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.	\boxtimes		
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): 1.265			
	Product packaging material type(s): PLASTIC/EPS (Expanded Polystyrene) Product packaging material type(s): PLASTIC/Polystyrene High Impact weight (kg): 0.45 weight (kg): 0.055			
P13.2*	Product plastic packaging is free from PVC.	\square	$\overline{}$	
P13.3*	Specify media for user and product documentation (tick box):			\dashv
F 13.3	Electronic , Paper , Other			
P13.4*	For paper user and product documentation, please specify contained percentage of post-consumer recycled			
1 13.4	fiber: 1%			Ш
Rev.	User and product documentation do not contain chlorine bleached paper	\boxtimes		
P13.5				
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	laration c	over tin	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