



Product environmental attributes - THE ECO DECLARATION

Brand *	Lenovo	Logo
Company name *	Lenovo	_
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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 *	Monitor		
Commercial name *	Lenovo L190x		
Model number *	4439-HB2		
Issue date *	2007-10-11		
Intended market *	☐ Global ☐ Europe ☐ Japan ☐ U.S. ☐ Other		
Additional information			

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

Quality (Control Requirement met		
Item	Additional information regarding each item may be found under P14.	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).		

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Product	environmental attributes - Legal requirements Requirement met			
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do not contain lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) as specified in EU 2002/95/EC and its amendments			
P1.2*	Products do not contain Asbestos (EU 76/769/EEC, amendment 1999/77/EC)	\boxtimes		
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (<i>EU</i> : <i>Regulation</i> (<i>EC</i>) <i>No.</i> 2037/2000, 2038/2000, 2039/2000)			
P1.4*	Products do not contain polychlorinated biphenyl (PCB), polychlorinated terphenyl (PCT), (EU 76/769/EEC)	\boxtimes		
P1.5*	Products do not contain short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP as specified in <i>Norwegian regulation relating to restrictions on the use of certain dangerous chemicals</i> 20.12.2002			
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) (EU 76/769/EEC)			
P1.7*	Textile and leather parts with direct skin contact do not contain Azo colourants that split aromatic amines as specified in EU 76/769/EEC, amendment 2003/3/EC			
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives (EU 76/769/EEC)			
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations higher than specified in 76/769/EEC, amendment 94/27/EEC			
P2	Batteries			
P2.1*	If hazardous batteries (as defined in 91/157/EEC) are used in the product they are easily removable and labelled with the disposal and the substance logo (as defined in 91/157/EEC, 93/86/EEC)			
P2.2*	If batteries are used in the product they do not contain mercury in concentrations higher than specified in 91/157/EEC			\boxtimes
P2.3*	If batteries are permanently installed in the product, information on the environmentally hazardous substances and safe removal method is listed in the user manual (91/157/EEC)			\boxtimes
P3	Electrical safety, EMC and connection to the telephone network			
P3.1*	The product meets the Low Voltage Directive (LVD) regarding electrical safety (73/23/EEC & 93/68/EEC)	\boxtimes		
P3.2*	The product meets the EMC Directive regarding electromagnetic compatibility (89/336/EEC / 2004/108/EEC after June, 20th 2007			
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it meets the EU R&TTE Directive (1999/5/EC)			
P3.4*	The product is CE-marked and a Declaration of Conformity is available (93/68/EEC)	\square		
P4	Consumable materials			
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium in concentrations higher than specified in (76/769/EEC and 91/338/EEC)			
P4.2*	If ink/toner is used in the product, it does not contain cadmium in concentrations higher than specified in (76/769/EEC and 91/338/EEC)			
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to EU Directive 1999/45/EC, and as amended, the product/packaging is labelled and a Material Safety Data Sheet (MSDS) in accordance with (99/45/EC & 2001/58/EC) is available.			
P5	Product packaging			
P5.1*	The sum of the concentration levels of lead, cadmium, mercury, and hexavalent chromium present in packaging or packaging components does not exceed 0,01% by weight (94/62/EC).			
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043.(97/129/EEC)	\boxtimes		
P5.3*	The product packaging material is free from CFC/HCFC.			
P6	Treatment information			
P6.1*	Information for recyclers/treatment facilities (e.g. as requested by 2002/96/EC) is available.			

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Produc	t environmental attrib	utes - Market req Requiren	uirements - Environmental conscious design nent met			
Item	*=mandatory to fill in.	Additional informa	ation regarding each item may be found under P14.	Yes 1	Vo	n.a.
P7	Design Disassembly, recycl	ing			·	
P7.1*	Parts that have to be	treated separately	are easily separable	\boxtimes		
P7.2*	Plastic materials in co	vers/housing have	e no surface coating.	\boxtimes		
P7.3*	Plastic parts >100g co	onsist of one mate	rial or of easily separable materials.	X		П
P7.4*	Plastic parts >25g hav	ve material codes	according to ISO 11469 referring ISO 1043.			Ħ
P7.5			or have inlays that can be removed with commonly available tools.			
P7.6*	·		rement does not apply to safety/regulatory labels).			\Box
	Product lifetime		117 7 3 7 7			
P7.7*	Upgrading can be dor	ne e.g. with proces	ssor, memory, cards or drives			X
P7.8*	Upgrading can be dor	ne using commonl	y available tools			
P7.9.	Spare parts are availa					Ħ
P7.10	Service is available af		•			Ħ
	Material and substar	<u> </u>		-	•	
P7.11*	Product cover/housing		-			
	Material type: ABS		Material type: Material type:			
P7.12*	Electrical cable insula	tion material of po	ower cables are halogen free (including PVC)		\boxtimes	
P7.13*	Electrical cable insula	tion material of sig	gnal cables are halogen free (including PVC)		\boxtimes	
P7.14	All cover/housing plas	stic parts >25g are	halogen free	\boxtimes		
P7.15	All printed circuit boar	ds (without compo	onents) >25g are halogen free		X	П
P7.16	Chemical specification	ns of flame retarda	ants in cover / housing plastic parts >25g according ISO 1043-4:			
P7.17	Chemical specification 1043-4: FR(16)	ns of flame retarda	ants in printed circuit boards (without components) >25g according ISC) <u>N</u>		
P7.18	Weight of recycled ma					
P7.19	R50/51/53 and R60/6	1 (67/548/EEC)	etardant substances/preparations above 0.1% classified as R45/46,			
P7.20	Light sources are free from mercury If mercury is used specify: Number of lamps: 4 and max. mercury content per lamp: 2.5 mg					
P8	Batteries		1 1 2 4 04/457/550			
P8.1*	Product does not cont	tain batteries defir	ned as hazardous according to 91/157/EEC			
P8.2*			Battery chemical composition:			
P8.3			following voluntary program/s:			\boxtimes
P9	Energy consumption					
9.1 Mode	Power level at		els or energy consumptions have been measured:	Deference	,	
woue	* 115 Volts	Time (s) to <mode></mode>	Mode description	Reference. Standard	′	n.a.
On-max	W		*	*		\boxtimes
On-	* 27 W	to	* On Mode/Active Power	*See P14	-	Ħ
normal						
On-idle	W	to	*	*		\boxtimes
Save 1	* 0.59 W	to	* Sleep Mode/Low Power	*See P14		
Save 2	W	to	*	*		\boxtimes
Off 1	* 0.57 W	to	* Off Mode/Standby Power	*See P14		
Off 2	0.33 W	to	* Hard Off Mode	*See P14		
No load	* W		External power supplies/charger plugged in but disconnected from the product	*		
TEC	* kWh/y Typic	al Energy Consun		*		\boxtimes
P9.2*			tion is provided with the product.			
P9.3	ENERGY STAR® 4.0 Others specify:	0, 1	nents of the following voluntary program/s:			

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Product 6	environmental att	tributes - Market requirements (c	ontinued) Requirement m	net			
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14. Yes No n.a						
P10	Emissions						
	Noise emission	 Declared according to ISO 9296 			\boxtimes		
		1					
P10.1	Mode Mode description Declared Declared A-weighted						
			A-weighted sound power	sound pressure level Operator position By	ystander positions		
			level L _{WAd} (B)	Operator position by	/starider positions		
				Desktop (on	ly if product is not		
				or Deskside	perator attended)		
	Idle	*	*	or Bookoldo			
	Operation	*	*			\boxtimes	
	Other mode						
		ding to: ISO 7779 ECMA-74					
	Measured accord			n L _{pAm} measurement distan	ce m)		
P10.2	The product mee	ets the acoustic noise requirements					
		sions from printing products	or are renerally renarrally p	5.0g.a, 5.			
P10.3*		according to ECMA-328 standard	, other specify:			X	
	The test covers:		Styrene Benzene	TVOC			
P10.4		ets the chemical emission requirement	<u> </u>				
	Electromagnetic	<u>'</u>	<u> </u>				
P10.5		y meets the requirement for low fre	quency electromagnetic fie	lds of the following voluntar	ry 🔲		
	program/s:						
P11		aterials for printing products	1 116				
P11.1*	A Material Safety Data Sheet (MSDS) is available for the ink/toner preparation, even if not legally required (see P4.3).						
P11.2*		g recycled fibres that meets the requ		be used.		\boxtimes	
P11.3*	2-sided (duplex) printing/copying is an integrated product function.						
P12		r computing products		0 for ODT disculator			
P12.1*	The computer system meets the ergonomic requirements of EN 29241-3, -7, -8 for CRT displays and EN-ISO13406-2 for flat panel displays.						
P12.2*	The product keyboard meets the requirements of ISO 9995 and EN 29241-4.						
P12.3*		put device meets the requirements	of ISO 9241-9.			Ш	
P13	Packaging and		and the second second select (leas).	4.04			
P13.1*		ng material type(s): Corrugated cannot material type(s): Polyethylene	ardboard weight (kg): weight (kg):				
		ng material type(s): EPS	weight (kg):				
P13.2*	Product plastic p	packaging is halogen free (including	PVC)				
P13.3*	User and produc	ct documentation do not contain chlo	orine bleached paper				
P13.4*	User and produc	ct documentation contain recycled p	paper				
P14	Additional infor						
		upplier makes no representations, g					
		contained in this document. All informable at the time of completion, and					
		approximate and provided for infor					
	information.						
P7.11		ns postconsumer recycled conte	•				
P7.17		not contain free TBBPA in printed					
P9.1		rgy Star Eligibility Criteria (Versic vel at 230 Volts	on 4.0)				
		On Mode/Active Power					
		Sleep Mode/Low Power					
		Off Mode/Standby Power					
	U.46 VV I	Hard Off Mode					