

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 *	Lenovo	Logo
Company name *	Lenovo	
Contact information *	Lenovo Global Environmental Affairs Alvin L Carter 1009 Think Place Building 2 / 5J3 Morrisville, North Carolina 27560 alcarter@lenovo.com	lenovo
Internet site *	www.pc.ibm.com/ww/lenovo/about/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 *	Notebook PC		
Commercial name *	Lenovo G555		
Model number *	<i>M/T:20045, 0873</i>		
Issue date *	2010-Jan-10		
Intended market *	🛛 Global 📃 Europe 🗌 Asia, Pacific & Japan 🗌 Americas 🗌 Other		
Additional information	ENERGY STAR® Qualified; EPEAT GOLD Rating; GREENGUARD Certified		

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

Quality Control			Requirement 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).	bl 🔀			

Issue da	te * 2010-Jan-10 Logo	lenc	DVC	>	
Produc	t environmental attributes - Legal requirements	Require	mont	mot	
Item		Yes	No	n.a.	
P1	Hazardous substances and preparations	103	NU	11.0	
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				
P1.2*	reference and Note B1) Products do not contain Asbestos (see legal reference).				
P1.3*	Comment: Legal reference has no maximum concentration value. Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC).				
11.5	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).	\boxtimes			
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).			\square	
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 microgram/cm ² /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.lenovo.com/social_responsibility/us/en/environment.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)				
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).	\square			
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal reference).			Ē	
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).				
P4 P4.1*	Consumable materials 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).				
P4.2		<u> </u>	╞		
r 4.J	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).			X	
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.	1			
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	\boxtimes			
	The product packaging material is free from ozone depleting substances as specified in the Montrea		+		

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

	umber *	Lenovo G555 M/T:20045, 0873			
ssue da	ate *	2010-Jan-10 Logo	len	DVO	
Produc	t enviro	nmental attributes - Market requirements - Environmental conscious design	Require	ement	met
tem		atory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a
P6		ent information			
P6.1*		tion for recyclers/treatment facilities is available (see legal reference).	\bowtie		
P7	Design	embly, recycling			
P7.1*		at have to be treated separately are easily separable			
P7.2*		materials in covers/housing have no surface coating.			
P7.3*		parts >100g consist of one material or of easily separable materials.			
P7.4*		parts >25g have material codes according to ISO 11469 referring ISO 1043.		- 🕂	
P7.5		parts are free from metal inlays or have inlays that can be removed with commonly available tool		- - -	
P7.6*		are easily separable. (This requirement does not apply to safety/regulatory labels).			
-7.0				_ [_]	
P7.7*		t lifetime ng can be done e.g. with processor, memory, cards or drives			
P7.8*		ing can be done using commonly available tools			
-					
P7.9.	·	arts are available after end of production for: 5 years			
P7.10		is available after end of production for: 5 years			
		I and substance requirements			
P7.11*		cover/housing material type: I type: PC+ABS-FR(40) Material type: Material type:			
P7.12		al cable insulation materials of power cables are PVC free.		\square	
P7.13		al cable insulation materials of signal cables are PVC free	— H		
P7.14		r/housing plastic parts >25g are free from chlorine and bromine.			
P7.14		ed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21.			
7.15	Note B2		See		
P7.16		etarded plastic parts >25g in covers / housings are marked according ISO 1043-4: :: FR(40)			
P7.17	TBBPA	al specifications of flame retardants in printed circuit boards >25g (without components): (additive) , TBBPA (reactive) , Other; chemical name: , CAS #:			
	ISO 104	al specifications of flame retardants in printed circuit boards (without components) >25g accordir I3-4: Brominated Epoxy Resin See P14	ig 🗌		
P7.18		retarded plastic parts >25g contain the following flame retardant substances/preparation rations above 0.1%:	s in 📃		
	Provide complet 1. Chen 2. Chen	nt: No legal limits exist, this is a market requirement. a list of all used flame retardants including MSDS for each flame retardant. The list must co the chemical name, CAS number and supplier. nical name: nical name: , CAS #: , Supplier: nical name: , CAS #: , Supplier:	ntain		
	Alt. 2 Chemic FR(40)	al specifications of flame retardants in plastic parts >25g according ISO 1043-4:			
P7.19	R40, R4	parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45 16, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3)	,		
P7.20		plastic parts' weight >25g, recycled material content is 0%.			
P7.21		plastic parts' weight >25g, biobased material content is 0%.			
P7.22	Ű	urces are free from mercury			
P8	Batterie				
P8.1*	-	chemical composition: Lithium Ion/Lithium Manganese Dioxide			
P8.2	Batterie	s meet the requirements of the following voluntary program/s: US RBRC			

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 *	Lenc	ovo G555 A	<i>I/T:20045</i> ,	0873			
Issue date *	2010-Ja				Logo	lenovo	
Product environ	mental at	tributes - Market	requirements (c	ontinued)		Requirement	met
Item		Yes No	n.a.				
0,	consump						
		e following power lev oped w/ WOL Enable		imptions are reporte	ed: See P14		
Energy mode *		Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	t Reference / Standard f and test method *	or energy modes	
Peak (On-max)		90 W	90 W	90 W	Full load		
Category A							
Idle State - WOL E	nabled	9.8 W	9.9 W	11.2 W	Use for Energy Star V5	registration(P _{idle})	
Sleep (S3) - WOL E	Enabled	0.86 W	0.86 W	0.96 W	Use for Energy Star V5	registration(P _{sleep})	Ē
Sleep (S3) - WOL I	Disabled	W	W	W	Reference		
Off (S5) - WOL Ena	abled	0.32 W	0.33 W	0.40 W	Use for Energy Star V5	registration(Poff)	H
Off (S5) - WOL Dis	abled	W	W	W	Use for EuP	• • • • •	
Category B							
Idle State - WOL E	nabled	12.9 W	13.1 W	13.6 W	Use for Energy Star V5	registration(P _{idle})	\square
Sleep (S3) - WOL I	Enabled	0.95 W	0.95 W	1.04 W	Use for Energy Star V5	registration(P _{sleep})	
Sleep (S3) - WOL I	Disabled	W	W	W	Reference		
Off (S5) - WOL Ena		0.41 W	0.41 W	0.54 W	Use for Energy Star V5	registration(P _{off})	
Off (S5) - WOL Dis	abled	W	W	W	Use for EuP	-	
EPS No-load		0.22 W	0.22 W	0.27 W			
(External power sup charger plugged in to outlet but disconnect the product.)	the wall						
TEC Typical Energy Con	sumption	kWh/week	kWh/week	kWh/week			
Etec *		28.1 kWh/week	28.5 kWh/week	32.5 kWh/week	$E_{TEC} = (8760/1000) \times (P_{TEC})$	$_{off} \times 0.6 + P_{sleen} \times$	
Annual Energy Con	sumption	37.1 kWh/week	37.5 kWh/week	39.5 kWh/week	$0.1 + P_{idle} \times 0.3)$		
		Poff: Off Mode(S5) -	WOL Enabled; P _{sleep} :	Sleep Mode(S3) - WC	DL Enabled; P _{idle} : Idle State -	WOL Enabled	
Display resolution	: 1366x7	68 Megapixels					
Print Speed	:	Images per minu	te				\square
Default time to ente	r energy sa	ave mode: minutes					
P9.2* Informa	tion about	t the energy save function is provided with the product.					
ENERG	SY STAR®	the energy requirenversion: Version 5.0	dated July 1, 200	9 Product category:	A		
P10 Emission		ergy Star for Exter	ai rower supplies				
		Declared according	to ISO 9296				
P10.1 Mode		Mode description		Declared	Declared A-we	0	
				A-weighted sound power	sound pressure level	1	
				level L_{WAd} (B)	Operator position B	systander positions	
						nly if product is not	
Idle		* HDD: Idle		* 2.29	22.9	operator attended)	
Operati	on '	* HDD: Operating		* 4.5	45		ΙH
Other m							
Measur	ed accordi	ng to: 🔀 ISO7779 [ECMA-74				1
		Other		•	th L _{pAm} measurement distand	ce m)	L
P10.2 The pro	duct meets	s the acoustic noise i	equirements of the	following voluntary	program/s:		

Model nu	mber *	Lenovo G555 M/T:20045, 0873			
Issue date *		2010-Jan-10 Logo			0
Product	onvironr	nental attributes - Market requirements (continued)	Poqui	remen	t mot
Item	environi	nental attributes - market requirements (continued)	Ye		n.a.
ILEITI	Chamia	al emissions from printing products	16	5 110	n.a.
P10.3*					
P10.4		formed according to ECMA-328 (ISO/IEC 28360) standard, other specify: emission rate (print phase) is (mg/h):			
F 10.4					
P10.5		Dust Ozone Styrene Benzene TVOC al emission requirements of the following voluntary program/s are met for : are met for :			
P10.5					\boxtimes
P10.6		nagnetic emissions er display meets the requirement for low frequency electromagnetic fields of the following voluntary			
F 10.0		s: MPR-II	′ 🖂		
P11		nable 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)			
P11.2*		ontaining post-consumer recycled fibers can be used, provided that it meets the requirement		 	
	EN1228	6 1 7 71 1			
P11.3*	2-sided	(duplex) printing/copying is an integrated product function.			\boxtimes
P12	Ergono	mics for computing products		· <u> </u>	
P12.1*		ay meets the ergonomic requirements of ISO 9241-307 for visual display technologies. See P14	X		
P12.2*	The phy	sical input device meets the requirements of ISO 9995 and ISO 9241-410. See P14			Ē
P13	Packagi	ng and documentation		· <u> </u>	
P13.1*		packaging material type(s): Corrugated Carton weight (kg): 0.36			
	Product	packaging material type(s): Polyethylene Cushions weight (kg): 0.0			
		packaging material type(s): Others weight (kg): 0.04			
P13.2*	Product	plastic packaging is free from PVC.	\ge		
P13.3*		media for user and product documentation (tick box):			
	Electron	ic 🔀, Paper 🔀, Other 📃			
P13.4*		er user and product documentation, please specify contained percentage of post-consumer recycle % (Japan only 70%)	ed		
P14		nal information (See Note B4)			·
		Supplier makes no representations, guarantees, assurances or warranties whether express or imp			
		ion contained in this document. All information provided by supplier in this document is provided by			
		ge available at the time of completion, and supplier shall have no obligation to update such inform. I here is approximate and provided for informational purposes only. See a Lenovo Account Repres			tion
	informati		entative it	ninore	
P7.17		t does not contain free TBBPA in printed circuit boards(without components)>25g.			
P9		ergy Star Qualified Notebooks & Tablet Computers for the latest information:			
	http://downloads.energystar.gov/bi/qplist/laptops_prod_list.xls				
P12.1		t is designed to meet the subject ISO Standard 9241-307, but is not confirmed through forma			
P12.2		t is designed to meet the subject ISO Standard 9995 and 9241-410, but is not confirmed thro	ugh form	al test	
	method				

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