



ECMA/TC38-TG3/2015/026 (Rev. 1 – 15 April 2015)

## Annex B2 - Product environmental attributes Computer monitors

The declaration may be published only when all rows and/or fields marked with \* are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

Brand *	Lenovo	Logo					
Company name *	Lenovo						
Contact information *	Lenovo Global Environmental Affairs		Lenovo				
e-mail address	S Alvin L Carter						
	alcarter@lenovo.com						
Internet site *	http://www.lenovo.com/social_responsibility/us/en/environment.html						
Additional information	The latest version of this document can be found at:						
	http://www.lenovo.com/ecodeclaration						

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 *	ThinkVision E21-10				
Model number *	MT: 61B9				
Issue date *	2017/06/12				
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.

## About Annex B2

Annex B2 reflects Product environmental attributes relevant for Computers and Computer Monitors. The following items from the ECMA-370 Main body are not shown in the template:

P4.1 – P4.3 Consumable materials

P9.1 TEC and Print speed

P10.2 - P10.3 Chemical emissions from printing products

P11.1 - P11.3 Consumable materials for printing products

		0450				_
Model number *		61B9	Logo	Lend	Wo	
Issue dat	:e *	2017/06/12		Len		тм
<b>Product</b>	Require		met			
Item				Yes	No	n.a.
P1		ous substances and preparations				
P1.1*	Products	s do comply with current European RoHS Directive. (See legal reference and NOTE	EB1)	$\boxtimes$		
P1.2*		s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.		$\boxtimes$		
P1.3*	Products hydrobro trichloroe	s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), omofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachlethane, methyl bromide (see legal reference). Comment: Legal reference has no mation values.				
P1.4*		s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychl l (PCT) in preparations (see legal reference).	lorinated	$\boxtimes$		
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).					
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 μg/cm²/week (see legal reference).  Comment: Max limit in legal reference when tested according to EN1811:2011-5.					
P1.7*	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	Batterie	S				
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)					
P2.2*	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 readily removable. (See legal reference)					
P3	Conform	nity verification & Eco design (ErP)				
P3.1*						
	The Dec	laration of Conformity can be requested at (add link or e-mail address):		_	_	
P3.2*	The product complies with the Eco design requirements for energy-related products, (see legal reference)					

given in item P15 or added to this document,

Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and

The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (see legal reference).

The product packaging material is free from ozone depleting substances as specified in the Montreal

available at (add URL):

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Required information is;

Treatment information

hexavalent chromium by weight of these together.

Protocol (see legal reference).

Comment: Legal reference has no maximum concentration values.

Information for recyclers/treatment facilities is available (see legal reference).

Product packaging

P5

P5.1\*

P5.2\*

P5.3\*

P6

P6.1\*

Model number *	1B9 017/06/12	Logo	Lanava
Issue date *	2017/06/12		LEI IOVO"

Produc	t environmental attributes - Market requirements (See General NOTE GN below)							
	- Environmental conscious design Rec							
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.				
P7	Design Disassembly, recycling							
P7.1*	Parts that have to be treated separately are easily separable							
P7.2*	Plastic materials in covers/housing have no surface coating.		X	$\overline{H}$				
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.			∺				
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.		H	H				
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.		H	Ħ				
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).		H	Ħ				
	Product lifetime							
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives							
P7.8*	Upgrading can be done using commonly available tools	$\overline{\boxtimes}$	$\overline{\Box}$	$\overline{\Box}$				
P7.9	Spare parts are available after end of production for: 5 years			$\overline{\Box}$				
P7.10	Service is available after end of production for: 5 years			$\overline{\Box}$				
	Material and substance requirements			_				
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum):							
==	Material type: ABS Material type: PC Material type: SGCC			_				
P7.12	Insulation materials of external electrical cables are PVC free.	<u> </u>						
P7.13	Insulation materials of internal electrical cables are PVC free.		$\boxtimes$	Щ.				
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1%							
	weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts	ر s						
	containing more than 25% post-consumer recycled content.							
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all ⊠PCBs > 25 g ☐ are low halogen	า 🗌	$\boxtimes$					
	as defined in IEC 61249-2-21. (See 1NOTE B2)							
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking:	Ш	Ш					
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components):							
	☐TBBPA (additive), ☐TBBPA (reactive) (See NOTE B3), ☐	$\boxtimes$						
	Other: <i>Epoxy Resin</i> , CAS #: 26265-08-7							
	Alt 2. Chamical appairing of flame entendants in printed singuit beauty (without components) > 25 a		$\boxtimes$					
	Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:							
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in	<u> </u>						
	concentrations above 0,1%:		$\boxtimes$					
	1. Chemical name: , CAS #: (See NOTE B4)							
	2. Chemical name: , CAS #: " 3. Chemical name: , CAS #: "							
	Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:		$\boxtimes$					
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been		$\overline{\Box}$					
	assigned the following Risk phrases; and Hazard statements:							
	The source(s) for these classifications is/are found at (add URL(s)): , (See note B5)							
P7.20*	Postconsumer recycled plastic material content is used in the product (See Note B6):	$\boxtimes$						
	If YES; at least one of the two alternatives below shall be answered;							
	a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as							
	a percentage of total plastic by weight) is 39.52%.							
	or b) The weight of recycled material is 602.9 g.							
1	D) The weight of recycled indicinal is <b>002.3</b> g.							

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available; see <a href="http://www.ecma-international.org/publications/standards/Ecma-370.htm">http://www.ecma-international.org/publications/standards/Ecma-370.htm</a>

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

wodel number ** 6789							Lenovo.		
Issue date * 2017/06/			12				LCII		тм
Product environmental attributes - Market requirements (contin				nued)		Requir	emen	t met	
Item						Yes	No	n.a.	
			stance requirements						
P7.21*	Biobased	d plastic m	naterial content is used	d in the product (See No	OTE B7):			$\boxtimes$	
	If YES; at least one of the two alternatives below shall be answered;  a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calcul								
			c parts' weight > 25 g by weight) is %.	, the biobased plastic	material content (calculat	ed as a perce	ntage		
	or	•	, ,						
D7.00*			the biobased plastic r						_
P7.22*	Light sources are free from mercury, i.e. less than 0,1 mg/lamp.  If mercury is used specify: Number of lamps:  and maximum mercury content per lamp:  mg								
P8	Batterie		<u> </u>	po.	ammoroury contont por to		9		
P8.1*			omposition:						$\boxtimes$
P9			tion (See NOTE B8)						
P9.1 Energy mo	For the p	roduct the	e following power level Power level at	s or energy consumption  Power level at		Poforonco/Star	ndard for er	orav	$\overline{}$
Lifergy Ino	ue		100 V AC	115 V AC		nodes and tes		leigy	Ш
Peak (On-	max)		22W	<b>22</b> W	<b>22</b> W	Full load			
Categor	<u>y</u>								
Short Idle	State - W	OL	14.8W	14.8W	14.7W	Use for ENER	GY STAR V6		
Enabled						registration (F	Pidle)		
Long Idle	State - Wo	OL	14.8W	<b>14.8</b> W		Jse for ENER			
Enabled						registration (F	idle)		
Sleep (S3)	- WOL E	nabled	0.15W	<b>0.15</b> W	0.18W	Use for ENER	GY STAR V6		
						registration(P	sleep)		
Sleep (S3)	- WOL Di	isabled	0.15W	0.15W	0.18W	Reference			
Off (S5) - WOL Enabled		oled	<b>0.13</b> W	0.13W		Use for ENER registration(P			
Off (S5) - WOL Disabled		bled	0.13W	<b>0.13</b> W	0.16W	Use for ErP			
EPS No-load			W	W	W				
(External power s	supply / charger	plugged in the							
PTEC *			<b>16</b> W	15.73 W	15.65 W				
Typical En	ergy Cons	umption	00 71 10/1-/	00.71.14/1./	00 01 14/1-7		0700(4000)	<b>(D</b>	_
ETEC * Annual Ene	erav Cons	umption	39.7kWh/year	39.7kWh/year	39.6kWh/year		8760/1000) x ( 0.1 + P <sub>idle</sub> x 0.		Ш
						засер	Tule	-/	
			•	l Efficiency Marking Pro	otocol) *:				
			30 megapixels						
Default time to enter energy save mode: 0.17 minutes									
P9.2* Information about the energy save function is provided with the product.							Ц_		
P9.3 Energy efficiency class (monitors only):									
P10	Emissio		Declared according to	ISO 9296 (See NOTE	: R01				
P10.1	Mode		Mode description	3 100 9290 (See NOTE	Statistical upper limit A	-weighted sou	nd power level	, L <sub>WA.c</sub>	(B)
	Idle		HDD: Idle		*	<u> </u>	,	,0	
	Operatio		HDD: Operating		*				
	Other mo			d pressure level (dB) $L_{p{\sf An}}$		on desktop – id	lle)		
	Other mo			d pressure level (dB) $L_{p{\sf Am}}$		on desktop – o	perating)		
	Measure		ng to: X ISO 7779	ECMA-74	· 1				
			Other	(only if not covered by	FCMΔ-74)				

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic

NOTE B8 A Guidance document on Energy Efficiency is available; see <a href="http://www.ecma-international.org/publications/standards/Ecma-370.htm">http://www.ecma-international.org/publications/standards/Ecma-370.htm</a>

NOTE B9 A Guidance document on Acoustic Noise is available; see <a href="http://www.ecma-international.org/publications/standards/Ecma-370.htm">http://www.ecma-international.org/publications/standards/Ecma-370.htm</a>

Model number *		61B9					Logo	Long		
Issue date *		2017/06/12						Leno	VO	тм
Product	environr	mental attribut	es - Market requiren	nents (co	ntinued)			Require	ment	met
Item								Yes	No	n.a.
		magnetic emissi								
P10.4	program	(s):	the requirement for low t	frequency	electromagnetic fiel	ds of the fol	lowing voluntary	' 📗		
P12		mics for comput								
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		ng and docume								
P13.1*	Product Product Product	packaging mater packaging mater	ial type(s): EPS ial type(s): EPE Bag ial type(s): PE Bag ial type(s): Paper ial type(s): Carton		(g): 0.011 (g): 0.0085 (g): 0.02					
P13.2*			ackaging is free from PV		<u> </u>			$\boxtimes$		$\Box$
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content:									
P13.4*	Specify media for user and product documentation (tick box):									
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free:									
	Totally chlorine-free  Elemental chlorine-free									
		ed chlorine-free								
P14		ry programs			( )					
P14.1	The prod	duct meets the re	quirements of the follow	ing volunta	ary program(s):					
	ENERG	Y STAR®	Criteria version: 7.1	1	Date: July-10- 2017	Product	category: Monit	or		
	Eco-labe	el:	Criteria version:		Date:	Product	category:			
	Eco-labe		Criteria version:		Date:	Product	category:			
P15		nal information (								
P9			specific configuration							
	informat knowled	ion contained in t ge available at th I here is approxin	o representations, guara his document. All inform the time of completion, an mate and provided for inf	nation provi nd supplier	ded by supplier in t shall have no oblig	his documer ation to upda	nt is provided ba ate such informa	ased on suppation. The inf	olier's format	ion
P9			d Notebooks & Tablet Co v/index.cfm?fuseaction=				_code=CO			

NOTE B10 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 B2

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications.	P1.1
Regulation (EC) 1907/2006(REACH, Annex XVII	P1.2, P1.4, P1.6, P1.7
Regulation (EC) 2037/2000, 2038/2000, 2039/2000 (Marketing and use of Ozone layer depleting substances)	P1.3, P5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2013/56/EC (Battery and accumulators Directive) *  * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2,3, P8.1
Directive 2006/95/EC (Low Voltage Directive)	P3.1
Directive 2004/108/EC (EMC Directive)	P3.1
Directive 1999/5/EC (R&TTE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Regulation (EC) No 1272/2008 (CLP Regulation)	P7.19
Directive 2004/12/EC ( Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive)	P6.1