

Annex B

(informative)

Declaration of product environmental attributes


Product Category

<input type="checkbox"/> PC	<input type="checkbox"/> Monitor	<input checked="" type="checkbox"/> TV	<input type="checkbox"/> VCR	<input type="checkbox"/> Mobile Phone	<input type="checkbox"/> NoteBook	<input type="checkbox"/> Camcorder	<input type="checkbox"/> Hi-fi	<input type="checkbox"/> Printer/copier	<input type="checkbox"/> Others
	<input type="checkbox"/> Monitor*	<input type="checkbox"/> TV**						<input type="checkbox"/> Printer/copier***	
	<input type="checkbox"/> Without fan								

\*CRT monitors    \*\*Digital and Internet TV    \*\*\*Using the electrostatic process

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1 Product Information / Description

<b>Brand</b>	Sharp	<b>Company Logo</b>	
<b>Type of Product</b>	LCD Colour TV		
<b>Commercial Name</b>	LC-37P50E		
<b>Model Number</b>	LC-37P50E		
<b>Weight</b>	25,000 kg		
<b>Dimension</b>	<h> 71 cm x <w> 93 cm x <d> 31 cm		
<b>Supplier</b> <Name>	Sharp Electrónica España, S.A.		
<Postal address>	Pol. Ind. Can Sant Joan. C/ Sena s/n, 08174 Sant Cugat del Vallés. Spain		
Postal code/City/Country			
e-mail			
<Contact person's name>	Mr. Andreu L. Hermo		
e-mail	<a href="mailto:hermo@sees.sharp-eu.com">hermo@sees.sharp-eu.com</a>		
Telephone	+ 34 935 819 750		
Mobile phone	+		
Fax	+ 34 935 819 752		
Internet site (URL)	<a href="http://www.sharp.es">www.sharp.es</a>		
<b>Additional Information</b>			

Environmental Programme Requirements conformed by the supplier

<b>Programme names</b>	1 Energy using Products (EuP)
e.g. Energy Star	2
e.g. TCO 03	3

Environmental Management Systems under which the product has been developed, manufactured and / or delivered.

<b>System names</b>	1 ISO 14001
e.g. ISO 14001	2 EMAS
e.g. EMAS	3

## Product Environmental Attributes - Legal Requirements

		Requirement met
		Yes No n.a.
<b>4</b>	<b>Electromagnetic Emissions</b>	
The product complies with the following emission requirements, listing the applicable legislation and standards referring to human exposure to electromagnetic fields for example:		
4.1	<b>ICNIRP levels</b> as documented in European council recommendation on the limitation of exposure of the general public to electromagnetic fields <b>1999/519/EC</b> ;	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4.2	<b>prEN 50392</b> 'Generic standard to demonstrate compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz - 300 GHz)'	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>8</b>	<b>Batteries</b>	
The batteries are in conformance with international, regional and national regulations, concerning:		
8.1<a>	Restrictions on hazardous substances and preparations such as defined in the <b>98/101/EC</b> directive.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
8.2<b>	Labelling requirements such as defined in the <b>93/86/EEC</b> .	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
8.3<c>	Installation and removal.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
8.4<d>	Take back and recycling.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>9</b>	<b>Product Packaging</b>	
The packaging is in compliance to international, regional and national regulations, concerning:		
9.2<a>	Restrictions on hazardous substances and preparations such as defined in the EU Directive <b>94/62/EEC</b> (requiring that the sum of the concentration of lead, cadmium, mercury, chromium-VI does not exceed 100 ppm by weight);	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9.3<b>	Labelling requirements.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9.4<c>	Take back and recycling.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>11</b>	<b>Product End of Life</b>	
11.1.1 Product take back systems complies with the applicable legislations.		
Legislation names	1 Directive 2002/96	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	3	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>11.2</b>	<b>Disassembly</b>	
11.2.1 Parts that have to be separately treated are declared to be separable, in compliance with international, regional and national regulations:		
Regulation names	1	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	3	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

This product meets above listed legal requirements.



## Product Environmental Attributes - Market Requirements

<b>2 Extension of Product Lifetime</b>									
2.1	The product is upgradable as follows; <span style="float: right;"><i>e.g. memory up to 512 MB</i></span>								
	<attribute>	up to	<unit>		<attribute>	up to	<unit>		
1		up to		6		up to			
2		up to		7		up to			
3		up to		8		up to			
4		up to		9		up to			
5		up to		10		up to			
2.2	The manufacturer offers spare parts availability				7	years after end of production.			
2.3	The manufacturer offers service availability				7	years after end of production.			
2.4	The manufacturer offers warranty				2	years			
	The service warranty / policy is as follows								
1	Spanish law 23/2003								
2									
3									
2.5	Restrictions for spare parts and service availability are as follows (if they are restricted)								
1	Electronic parts: spare parts availability is 7 years years after end of production.								
2	Mechanical parts: spare parts availability is 5 years years after end of production.								
3	Decorative parts: spare parts availability is 4 years years after end of production.								
<b>3 Power Consumption</b>									
3.1	Power consumption in watts (rms) for ENERGY USING MODES For the product the following power consumption has been measured:								
	<mode>	<i>e.g. Play, stand-by passive</i>	<standard / applied test protocol>		<power>				
1	off mode (AC unplug)		Measurement		0,000	[watts]			
2	off mode (AC plug)		Measurement		0,680	[watts]			
3	stand-by		Measurement		0,700	[watts]			
4	on mode		EN 62087:2002		76,00	[watts]			
5						[watts]			
6						[watts]			
7						[watts]			
	<i>Some example modes are: operational modes, inactive modes, off mode and no load mode.</i>								
<b>4 Electromagnetic Emissions</b>									
4.3	The product complies with the limits defined in:								
	<standard / programme>	<i>e.g. MPR II-1990:8, TCO'99</i>							
1	EN55013								
2	EN55020								
3	EN61000-3-2 / EN61000-3-3								
<b>5 Noise Emissions</b>									
5.1	declared sound power and sound pressure levels								
	<b>Sound power levels</b> $L_{WAd}$				<b>Sound pressure levels</b> $L_{pAm}$				
					Location				
					Position of the unit				
					Distance		[m]		
	<operational mode>	<i>e.g. HDD access</i>	<description>		<level>	$L_{WAd}$	<level>	$L_{pAm}$	
1	n.a.		n.a.		n.a.	[bel]	n.a.	[dB(A)]	
2						[bel]		[dB(A)]	
3						[bel]		[dB(A)]	
4						[bel]		[dB(A)]	
5						[bel]		[dB(A)]	
6						[bel]		[dB(A)]	

**6 Chemical Emissions**

6.1 The following chemical emissions have been measured according to ECMA-328:

<b>Chemical emission rates (VOC and ozone)</b>		<b>Dust emission rates</b>			
<operational mode>		<emissions rate>			
<i>e.g. printing</i>		VOC	ozone	dust	
1	n.a.	n.a.	n.a.	n.a.	n.a.
2					
3					
4					
5					

**7 Hazardous Substances and Preparations**

The product does not contain:

		not contain	contain	under survey	n.a.
<b>7.1&lt;a&gt; Substances and preparations covered by general limitation</b>					
	asbestos;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	azo Colorants;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	mercury and mercury compounds;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	CFCs, HCFCs;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	PCBs, PCTs and PCN.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>7.2&lt;b&gt; Substances and preparations covered by limitations in plastic mechanical parts and housings</b>					
	cadmium and cadmium compounds;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	short chain chloroparaffins;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	lead or lead compounds;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PBB, PBDE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.3&lt;c&gt; Substances and preparations covered by limitations in paints, coatings or colouring agents</b>					
	cadmium and cadmium compounds;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	TBT and TBTO;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	hexavalent chromium compound;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	lead or lead compounds;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE Substances and preparations covered by limitations in batteries and packaging are defined in clauses 5.8 and 5.9.

**8 Batteries**

The product {  contains/  does not contain } batteries.

8.5 The product or accessory contains the following batteries:

	<battery or accumulator>	<type>	<num.>	<total weight>	<size>		
					<h>	<w>	<d>
	<i>e.g. Main / Back-up battery</i>	<i>e.g. Li-ion / NiCd</i>			cm	cm	cm
1	Remote control battery	Zn Mn	2	19,40 [g]	4,4	x 1,0	x 1,0
2				[g]		x	x
3				[g]		x	x
4				[g]		x	x
5				[g]		x	x

**9 Product Packaging**

9.1 The following packaging is used:

<packaging>	<type>	<num.>	<total weight>
<i>e.g. Main carton / remote control bag</i>	<i>e.g. carton / PS</i>		
1 Main box	carton	1	2650 [g]
2 Protectors	carton	1	427,00 [g]
3 Corner and front protectors	EPS	5	949,00 [g]
4 Accesories bag	H-LDPE	4	13,00 [g]
5 LCD protector bags	PE	2	96,00 [g]
6 Adhesive tape	PP	2	18,00 [g]
7			[g]
8			[g]

Requirement met  
Yes No n.a.

9.5 The packaging materials are marked according to a standard.  
Name of Standard *e.g. ISO 11469:2000*

9.6 Specific packaging take back programme and recycling services are available.  
<describe>  
Green Dot

<b>10 Documentation Materials</b>			
<b>10.1 Paper</b>			Requirement met Yes No n.a.
10.1.1	The documentation is made under use of recycled paper.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
10.1.2	The recycled content: is	% to	%
10.1.3	The paper is bleached by the following method;	Chlorine is not used	
<b>10.2 Other Media</b>			
10.2.1	The media type is: <i>e.g. magnetic tapes, CDs, DVDs</i>	n.a.	
10.2.2	The disposal method is:	<i>e.g. system name or description</i>	
<b>11 Product End of Life</b>			
<b>11.1 Product Take Back Information</b>			Requirement met Yes No n.a.
Regarding take-back systems for products and consumables,			
11.1.2	Customers are advised		
	to contact their supplier representatives for additional information;	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
	to check the products manual;	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
	to visit the following web page		
	URL ; <a href="http://www.sharp-eu.com">www.sharp-eu.com</a>		
	other	to contact with local authorities or recycling service company	
<b>11.2 Disassembly</b>			
11.2.1	The following design features have been included in the product to enable easy disassembly, separation and / or recycling.		
	Disassembly down to the module level is possible using only commonly available tools;	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
	Reduction of the number of steps necessary for disassembly;	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
	Reduction of number of tools necessary for disassembly;	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
	Reduction of variety and number of connections;	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
	Marking of mechanical plastic parts according to <b>ISO11469:2000</b> as applicable.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
<b>12 Additional Information Source</b>			
12.1	Further information sources are: <i>e.g. Manufacturer's URL, representative name and telephone number etc., except for sources indicated in 1st. page.</i>		
	1		
	2		
	3		