

Annex B

(informative)

Declaration of product environmental attributes


Product Category

PC   
  Monitor   
  TV   
  VCR   
  Mobile Phone   
  NoteBook   
  Camcorder   
  Hi-fi   
  Printer/copier   
  Others  
 Monitor\*   
  TV\*\*   
  Printer/copier\*\*\*  
 Without fan

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

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1 Product Information / Description

<b>Brand</b> <b>Type of Product</b> <b>Commercial Name</b> <b>Model Number</b> <b>Weight</b> <b>Dimension</b> <b>Supplier</b> <Name> <Postal address> Postal code/City/Country e-mail <Contact person's name> e-mail Telephone Mobile phone Fax Internet site (URL) <b>Additional Information</b>	Sharp	<b>Company Logo</b> 
	LCD Colour TV	
	LC-20S4E	
	LC-20S4E	
	7,000 kg	
	<h> 48 cm x <w> 48 cm x <d> 10 cm	
	Sharp Electrónica España, S.A.	
	Pol. Ind. Can Sant Joan. C/ Sena s/n, 08174 Sant Cugat del Vallés. Spain	
	Mr. Andreu L. Hermo	
	<a href="mailto:hermo@sees.sharp-eu.com">hermo@sees.sharp-eu.com</a>	
+ 34 935 819 750		
+		
+ 34 935 819 752		
<a href="http://www.sharp.es">www.sharp.es</a>		

Environmental Programme Requirements conformed by the supplier

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

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

<b>System names</b> e.g. ISO 14001	1 ISO 14001
e.g. EMAS	2 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 checked="" type="checkbox"/> <input checked="" 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 checked="" type="checkbox"/> <input checked="" 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 checked="" type="checkbox"/> <input checked="" type="checkbox"/>
8.2<b>	Labelling requirements such as defined in the <b>93/86/EEC</b> .		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
8.3<c>	Installation and removal.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
8.4<d>	Take back and recycling.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" 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 checked="" type="checkbox"/> <input checked="" type="checkbox"/>
9.3<b>	Labelling requirements.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
9.4<c>	Take back and recycling.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" 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 checked="" type="checkbox"/> <input checked="" type="checkbox"/>
		2	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
		3	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" 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 checked="" type="checkbox"/> <input checked="" type="checkbox"/>
		2	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
		3	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" 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>						
	<b>&lt;attribute&gt;</b>	up to	<b>&lt;unit&gt;</b>		<b>&lt;attribute&gt;</b>	up to	<b>&lt;unit&gt;</b>
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:						
	<b>&lt;mode&gt;</b>	<i>e.g. Play, stand-by passive</i>	<b>&lt;standard / applied test protocol&gt;</b>		<b>&lt;power&gt;</b>		
1	off mode (AC unplug)		Measurement		0.73	[watts]	
2	off mode (AC plug)		Measurement		0.73	[watts]	
3	stand-by		Measurement		0.73	[watts]	
4	on mode		EN 62087:2002		45.20	[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:						
	<b>&lt;standard / programme&gt;</b> <span style="float: right;"><i>e.g. MPR II-1990:8, TCO'99</i></span>						
1	EN55013:2001 + A1:2003						
2	EN55020:2002 + A1:2003						
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> $L_{WA_d}$			<b>Sound pressure levels</b> $L_{pAm}$			
				Location			
				Position of the unit			
				Distance			
				[m]			
	<b>&lt;operational mode&gt;</b>	<i>e.g. HDD access</i>	<b>&lt;description&gt;</b>	<b>&lt;level&gt;</b>	$L_{WA_d}$	<b>&lt;level&gt;</b>	$L_{pAm}$
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:

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

## 7 Hazardous Substances and Preparations

The product does not contain:

					not con- tain	con- tain	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 cholroparaffins;	<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>					
	<i>e.g. Main / Back-up battery</i>	<i>e.g. Li-ion / NiCd</i>				<h>	cm x	<w>	cm x	<d>	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	1255 [g]
2	LCD bag	PE	1	32,30 [g]
3	Lateral protectors	EPS	3	566,00 [g]
4	Owner's Manual bag	PE	3	22,20 [g]
5	Remote control bag	PE	1	1,60 [g]
6	AC cord bag	PE	1	2,60 [g]
7	Holder bag	PE	1	2,20 [g]
8				[g]

Requirement met  
Yes No n.a.

9.5 The packaging materials are marked according to a standard.

Name of Standard <i>e.g. ISO 11469:2000</i>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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9.6 Specific packaging take back programme and recycling services are available.

<describe> Green Dot	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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<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: e.g. magnetic tapes, CDs, DVDs		n.a.	
10.2.2	The disposal method is: <input type="text"/> e.g. system name or description			
<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,				Yes No n.a.
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: e.g. Manufacturer's URL, representative name and telephone number etc., except for sources indicated in 1st. page.			
	1	<input type="text"/>		
	2	<input type="text"/>		
	3	<input type="text"/>		

