

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

Date of Issue : 29 . May . 2006
 Rev. No. : Revision Date : . .

1 Product Information / Description

Brand Type of Product Commercial Name Model Number Weight Dimension Supplier <Name> <Postal address> Postal code/City/Country e-mail <Contact person's name> e-mail Telephone Mobile phone Fax Internet site (URL) Additional Information	Sharp	Company Logo 
	LCD Colour TV	
	LC-32GA8E	
	LC-32GA8E	
	19,000 kg	
	<h> 64 cm x <w> 80 cm x <d> 30 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	
	hermo@sees.sharp-eu.com	
+ 34 935 819 750		
+		
+ 34 935 819 752		
www.sharp.es		

Environmental Programme Requirements conformed by the supplier

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

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

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

Product Environmental Attributes - Legal Requirements

Requirement met
Yes No n.a.

4 Electromagnetic Emissions				
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	ICNIRP levels as documented in European council recommendation on the limitation of exposure of the general public to electromagnetic fields 1999/519/EC ;		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.2	prEN 50392 '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"/>
8 Batteries				
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 98/101/EC directive.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8.2	Labelling requirements such as defined in the 93/86/EEC .		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8.3<c>	Installation and removal.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8.4<d>	Take back and recycling.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9 Product Packaging				
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 94/62/EEC (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"/>
9.3	Labelling requirements.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9.4<c>	Take back and recycling.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11 Product End of Life				
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"/>
	2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	3		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11.2 Disassembly				
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"/>
	2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	3		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

This product meets above listed legal requirements.



Product Environmental Attributes - Market Requirements

2 Extension of Product Lifetime

2.1	The product is upgradable as follows;	<i>e.g. memory up to 512 MB</i>
	<attribute>	up to
	<unit>	<attribute>
	up to	up to
1		6
2		7
3		8
4		9
5		10

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.

3 Power Consumption

3.1 Power consumption in watts (rms) for ENERGY USING MODES
For the product the following power consumption has been measured:

	<mode>	<standard / applied test protocol>	<power>
	<i>e.g. Play, stand-by passive</i>		
1	off mode (AC unplug)	Measurement	0,000 [watts]
2	off mode (AC plug)	Measurement	0,810 [watts]
3	stand-by	Measurement	0,810 [watts]
4	on mode	EN 62087:2002	80,00 [watts]
5			[watts]

Some example modes are; operational modes, inactive modes, off mode and no load mode.

4 Electromagnetic Emissions

4.3 The product comlies with the limits defined in:

	<standard / programme>	<i>e.g. MPR II-1990:8, TCO'99</i>
1	EN55013	
2	EN55020 / EN55022 / EN55024	
3	EN61000-3-2 / EN61000-3-3	

5 Noise Emissions

5.1 declared sound power and sound pressure levels

	Sound power levels L_{WA_d}	Sound pressure levels L_{pAm}
		Location
		Position of the unit
		Distance
		[m]
	<operational mode>	<description>
	<i>e.g. HDD access</i>	
	<level>	<level>
	L_{WA_d}	L_{pAm}
1	n.a.	n.a.
	[bel]	[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)		Dust emission rates			
<operational mode>		<emissions rate>			
<i>e.g. printing</i>		VOC	ozone	dust	
1	n.a.	n.a. [micro-gr./hr]	n.a. [micro-gr./hr]	n.a. [micro-gr./hr]	[micro-gr./hr]
2		[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]
3		[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]

7 Hazardous Substances and Preparations

The product does not contain: not contain under survey n.a.

7.1<a> Substances and preparations covered by **general limitation**

asbestos;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
azo Colorants;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
mercury and mercury compounds;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CFCs, HCFCs;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PCBs, PCTs and PCN.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

7.2 Substances and preparations covered by limitations in **plastic mechanical parts and housings**

cadmium and cadmium compounds;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
short chain cholroparaffins;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
lead or lead compounds;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PBB, PBDE.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

7.3<c> Substances and preparations covered by limitations in **paints, coatings or colouring agents**

cadmium and cadmium compounds;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TBT and TBTO;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
hexavalent chromium compound;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
lead or lead compounds;	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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	Carbon Zinc	2	19,50 [g]	4,4	x	1,1	x	1,1	
2			[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	1745 [g]
2 LCD foam	PE	1	54 [g]
3 Top/Bottom pads	EPS	4	495 [g]
4 Stand pad	EPS	1	274 [g]
5 Owner's Manual bag	PE	2	14 [g]
6 Remote control baç	PE	1	0,5 [g]
7 AC cord bag	PE	2	8 [g]
8 Batteries bag	PE	1	0,5 [g]
9 Screws bag	PE	1	0,5 [g]
10 Stand carton	carton	3	11 [g]
11 Stand foam	PE	2	16 [g]
12 Stand Packing tape	PP	4	0,4 [g]
13 Box tape	PP	2	10 [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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
---	-------------------------------------	-------------------------------------	-------------------------------------

9.6 Specific packaging take back programme and recycling services are available.

<describe>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Green Dot			

10 Documentation Materials				
10.1 Paper				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	
10.2 Other Media				
10.2.1	The media type is:	e.g. magnetic tapes, CDs, DVDs		n.a.
10.2.2	The disposal method is:			
e.g. system name or description				
11 Product End of Life				
11.1 Product Take Back Information				Requirement met
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 ;	www.sharp-eu.com		
	other	to contact with local authorities or recycling service company		
11.2 Disassembly				
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 ISO11469:2000 as applicable.			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
12 Additional Information Source				
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			
	2			
	3			

