Sumpo Sumpo EPD VERIFIED Sumpo EPD Type III Environmental Declaration (EPD)

Registration number : JR-AI-24301E

### Japan EPD Program by SuMPO

Sustainable Management Promotion Organization 14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan https://ecoleaf-label.jp/



## SHARP

Sharp Corporation DIGITAL FULL COLOR MULTIFUNCTIONAL SYSTEM

# **BP-50C31 (EU)**

#### **Functional unit**

Per unit of product

#### System boundary

■ final products □ intermediate products Raw material acquision, Production, Distribution, Use & maintenance, End-of-Life

#### Main specifications of the product

Model name : BP-50C31 Marking technologies : Electrophotographic Printer (EP) Print speed : Monochrome 31prints/minute (A4) Full-color 31prints/minute (A4) Maximum Paper Size : SRA3 Print/Copy/Scan : Standard Duplex printing/ADF : Standard Company Information SHARP CORPORATION Smart Business Solutions BU E-mail :ECOLEAF-BS@sharp.co.jp

Registration#	JR-AI-24301E	
PCR number	PA-590000-AI-08	
PCR name	Imaging input and/or output equipment	
Publication date	29 August 2024	
Verification date	08 August 2024	
Verification method	System certificaion	
Verification#	FV-08-24014	
<b>Expiration date</b>	07 August 2029	
PCR review was conducted by:		
Approval date	01 September 2023	
PCR review	Masayuki Kanzaki	
panel chair	Sustainable Management Promotion Organization	
Third party verifier*		
	Shouko Hashizume	
Independent verification of data & declaration in		
accordance with ISO14025		

\*Auditor's name is stated if system certification has been performed.

external

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□internal

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1. Results of life cycle im	pact asse	ssment (L	.CIA)				
			0%	20% 4	10% 60	0% 80%	% 1009
Global warming IPCC2013 GWP100a	990	kg-CO2eq		63%	3%	7% 15	% 11%
Acidification	0. 73	kg-SO2eq		70%		1% 11%	10% 9%
Resources consumption	0. 47	kg-Sbeq			93%	C	0% -0% 0% 6%
		<u> </u>	<ul> <li>Raw materia</li> <li>Use &amp; main</li> </ul>	•	Production End-of-Life	Distril	oution
stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a	kg-CO <sub>2</sub> eq	9.9E+02	6.2E+02	3.1E+01	7.2E+01	1.5E+02	1.1E+02
Acidification	kg-SO <sub>2</sub> eq	7.3E-01	5.1E-01	7.4E-03	7.8E-02	7.1E-02	6.5E-02
Resources consumption	kg-Sbeq	4.7E-01	4.4E-01	8.4E-05	3.0E-04	3.0E-02	1.1E-04

2. Life cycle inventory analysis (LCI)				
Parameter		Unit		
Non-renewable material resources	5.9E+01	kg		
Renewable material resources	1.2E+02	kg		

3. Material composition				
Material		Unit		
Steel	3.3E+01	kg		
SUS	9.5E-01	kg		
Aluminium	5.2E-01	kg		
Other metal	9.7E-01	kg		
Plastic	3.4E+01	kg		
Rubber	8.3E-02	kg		
Glass	2.1E+00	kg		
Paper • Wood	1.3E+01	kg		
Circuit Board	2.6E+00	kg		
Others	5.5E+00	kg		

5. Additional explanation

Product destination: Europe

• Calculation method of use stage (scenario)

• Expected usage period: five years

Estimated number of use : 139,500 sheets

31 (Jobs/Day) × 15 (Sheets/Job) ÷ 4 × 5 (Days/Week) × 4 (Weeks/Month) × 12 (Months/Year) × 5 (Years)

= 139,500 sheets

 $\cdot$  The impact of paper for printing is not included.

• Products selected in the scenario used for inventory calculation : Multifunction device (EP)

% Calculated according to the ENERGY STAR® Ver.3.0 program.

6-1. Supplementary environmental information

• Assembly and production of this product, as well as production of the photoconductor and toner, which are the main components, are performed at ISO 14001-certified factories.

7. Assumptions of secondary data used

IDEA v2.1.3 and Japan EPD Program by SuMPO Registry data v1.17

#### 8. Remarks

- For data quantification, please refer to PCR and Rules on quantification and declaration.

- Comparative assertion is permitted only when Rules on quantification and declaration are satisfied. (Reference URL : https://ecoleaf-label.jp/regulation/)

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