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%<br>6% |
|                                 |                       | <u> </u>  | <ul> <li>Raw materia</li> <li>Use &amp; main</li> </ul> | •          | Production<br>End-of-Life | Distril              | oution          |
| stage                           | Unit                  | Total     | Raw material acquisition                                | Production | Distribution              | Use &<br>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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