



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23420E

Japan EPD Program by SuMPO

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



**EPSON**

High-speed Linehead Inkjet Multifunction Printer  
**WorkForce Enterprise  
LM-C5000**

Seiko Epson Corporation

**Functional unit**

Per unit of product

**System boundary**

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

**Main specifications of the product**

Model name: WorkForce Enterprise LM-C5000  
Main Specifications  
■ Multifunction device (High Performance Inkjet)  
■ Color  
■ Print speed: 50ppm (single-sided A4 sheets)  
■ Maximum paper size (standard cassette): A3  
■ Automatic duplex printing  
※This product is destined for Japan

**Company Information**

Seiko Epson Corporation  
<http://www.epson.com/>  
<http://www.epson.jp/contact/> (Japanese)  
3-3-5 Owa, Suwa-shi, Nagano-ken, Japan  
TFI 81-266-52-5353 (Japan)

<b>Registration#</b>	JR-AI-23420E
<b>PCR number</b>	PA-590000-AI-08
<b>PCR name</b>	Imaging input and/or output equipment
<b>Publication date</b>	11/17/2023
<b>Verification date</b>	11/13/2023
<b>Verification method</b>	Product-by-product
<b>Verification#</b>	JV-AI-23420
<b>Expiration date</b>	11/12/2028
<b>PCR review was conducted by:</b>	
<b>Approval date</b>	9/1/2023
<b>PCR review panel chair</b>	Masayuki Kanzaki Sustainable Management Promotion Organization

**Third party verifier\***

Tetsuya Okuyama

Independent verification of data & declaration in accordance with ISO14025

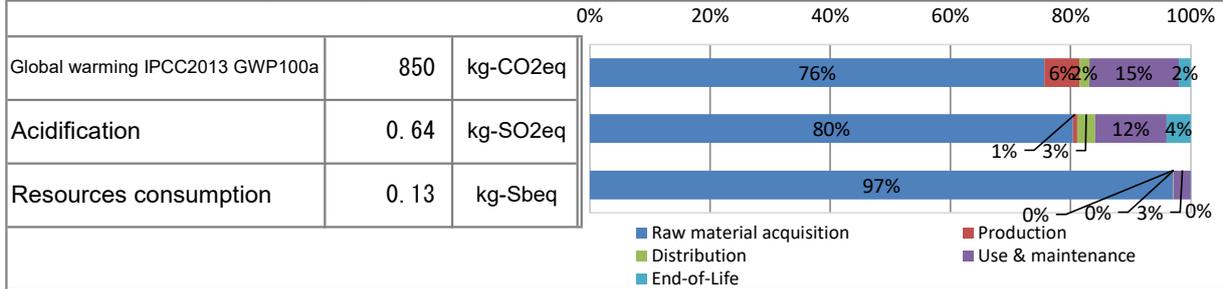
internal       external

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

Registration number : JR-AI-23420E



**1. Results of life cycle impact assessment (LCIA)**



Parameter	stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a		kg-CO <sub>2</sub> eq	8.5E+02	6.4E+02	5.0E+01	1.4E+01	1.3E+02	1.7E+01
Acidification		kg-SO <sub>2</sub> eq	6.4E-01	5.2E-01	4.5E-03	1.9E-02	7.6E-02	2.6E-02
Resources consumption		kg-Sbeq	1.3E-01	1.2E-01	1.3E-04	5.8E-05	3.5E-03	2.7E-05

**2. Life cycle inventory analysis (LCI)**

Parameter	Unit	Value
Non-renewable material resources	kg	8.9E+01
Renewable material resources	kg	1.5E+02

**3. Material composition**

Material	Unit	Value
Steel	%	40
SUS	%	2
Aluminum	%	1
Other metal	%	7
Plastic	%	29
Rubber	%	0
Glass	%	2
Paper and wood	%	11
Circuit Board	%	2
Other	%	7

**5. Additional explanation**

- Product destination: Japan
- Calculation method of use stage (scenario)
  - Expected usage period: 5 years
  - Estimated number of use: 374,400 sheets\*
  - Print measuring method (pattern): ISO/IEC 19752
  - Inventory of the print paper is not included
- Products selected in the scenario used for inventory calculation
  - Multifunction device (High Performance IJ)

\* In accordance with the ENERGY STAR® Ver.3.0.  
 374,400 sheets = (32 pages x 39 jobs/day x 5 days) /  
 4 x 4 weeks x 12 months x 5 years



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23420E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization  
14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan

<https://ecoleaf-label.jp/>

#### 6-1. Supplementary environmental information

- This product and main components are produced in our ISO 14001 certified factories.
- Compliant with the International Energy Star Program Ver.3.0.It also complies with the European RoHS Directive.

#### 7. Assumptions of secondary data used

We used IDEA v2.1.3 and SuMPO Environmental Label Program registration intensity v1.13.

#### 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/>)

Registration number : JR-AI-23420E