



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23419E

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-C4000**

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-C4000

Main Specifications

- Multifunction device (High Performance Inkjet)
- Color
- Print speed: 40ppm (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
TEL 81-266-52-5353 (Japan)

Registration#	JR-AI-23419E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	11/17/2023
Verification date	11/13/2023
Verification method	Product-by-product
Verification#	JV-AI-23419
Expiration date	11/12/2028
PCR review was conducted by:	
Approval date	9/1/2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

Tetsuya Okuyama

Independent verification of data & declaration in accordance with ISO14025

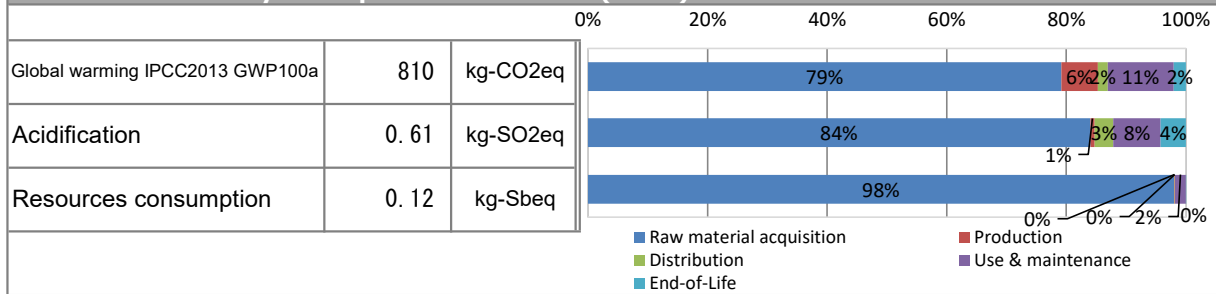
internal external

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

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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 ₂ eq	8.1E+02	6.4E+02	5.0E+01	1.4E+01	8.9E+01	1.7E+01
Acidification		kg-SO ₂ eq	6.1E-01	5.2E-01	4.5E-03	1.9E-02	4.9E-02	2.6E-02
Resources consumption		kg-Sbeq	1.2E-01	1.2E-01	1.3E-04	5.8E-05	2.3E-03	2.7E-05

2. Life cycle inventory analysis (LCI)

Parameter	Value	Unit
Non-renewable material resources	8.8E+01	kg
Renewable material resources	1.5E+02	kg

3. Material composition

Material	Value	Unit
Steel	39	%
SUS	2	%
Aluminum	1	%
Other metal	6	%
Plastic	29	%
Rubber	0	%
Glass	2	%
Paper and wood	12	%
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: 240,000 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.
 240,000 sheets = (32 pages x 25 jobs/day x 5 days) /
 4 x 4 weeks x 12 months x 5 years



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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

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- 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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