



SuMPO EPD

Type III Environmental Declaration (EPD)

Registration number : JR-AI-24508E

Japan EPD Program by SuMPO

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



EPSON

**A3 large capacity
inkjet multifunction printer**

EM-C8100 (North America)

Seiko Epson Corporation

Functional unit

Per product

System boundary

- final products intermediate products

Raw material acquisition, Production, Distribution,
Use & maintenance, End-of-Life

Main specifications of the product

Model name: EM-C8100

Main Specifications

- Multifunction device (Inkjet)
- Color
- Print speed: 25ppm (single-sided A4 sheets)
- Maximum paper size (standard cassette): A3
- Automatic duplex printing

※ This product is destined for North America

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-24508E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	1/30/2025
Verification date	1/21/2025
Verification method	Product-by-product
Verification#	JV-AI-24508
Expiration date	1/20/2030
PCR review was conducted by:	
Approval date	9/1/2023
PCR review panel chair	Masayuki Kanzaki (SuMPO)

Third party verifier*

Yasuo Koseki

Independent verification of data & declaration in accordance
with ISO14025

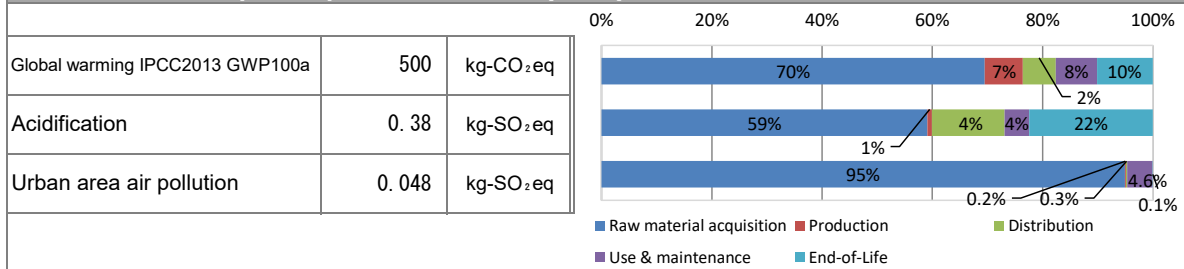
internal

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	5.0E+02	3.5E+02	3.5E+01	3.0E+01	3.8E+01	5.1E+01
Acidification		kg-SO ₂ eq	3.8E-01	2.2E-01	2.9E-03	5.0E-02	1.7E-02	8.5E-02
Resources consumption		kg-Sbeq	4.8E-02	4.6E-02	8.7E-05	1.2E-04	2.2E-03	4.7E-05

2. Life cycle inventory analysis (LCI)

Parameter	Unit
Non-renewable material resources	4.6E+01 kg
Renewable material resources	1.1E+02 kg

3. Waste to disposal

Parameter	Unit
Steel	2.8E+01 kg
SUS	4.7E-01 kg
Aluminum	3.5E-02 kg
Other metal	3.3E+00 kg
Plastic	2.5E+01 kg
Rubber	6.1E-01 kg
Glass	1.4E+00 kg
Paper and wood	1.6E+01 kg
Circuit Board	1.1E+00 kg
Other	2.7E+00 kg

5. Additional explanation

- Product destination : North America
- Calculation method of use stage (scenario)
 - Expected usage period: 5 years
 - Estimated number of use: 90,000 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 (Inkjet)

* In accordance with the ENERGY STAR® Ver.3.1
 90,000sheets = (25 pages x 12 jobs/day x 5 days) / 4 x 4 weeks x 12 months x 5 years

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.3.1.
- 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/>)