



SuMPO EPD

Type III Environmental Declaration (EPD)

Registration number : JR-AI-24509E

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 (Europe)

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 Europe

### 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-24509E
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-24509
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

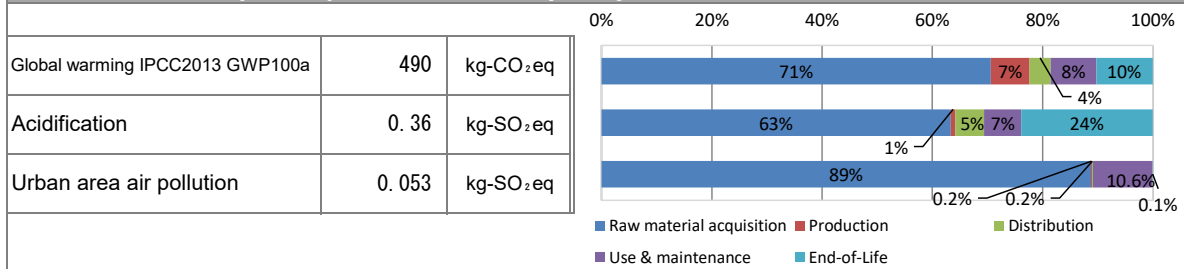
internal

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 <sub>2</sub> eq	4.9E+02	3.5E+02	3.5E+01	1.9E+01	4.1E+01	5.1E+01
Acidification		kg-SO <sub>2</sub> eq	3.6E-01	2.3E-01	2.9E-03	1.9E-02	2.4E-02	8.5E-02
Resources consumption		kg-Sbeq	5.3E-02	4.7E-02	8.7E-05	8.0E-05	5.8E-03	4.7E-05

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

Parameter	Unit	Unit
Non-renewable material resources	4.7E+01	kg
Renewable material resources	1.1E+02	kg

### 3. Waste to disposal

Parameter	Unit	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	2.9E+00	kg

### 5. Additional explanation

- Product destination : Europe
- 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/>)