



SuMPO EPD
Type III Environmental Declaration (EPD)

Registration number : JR-AI-24651E

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

LX-10020M (Japan)

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: LX-10020M

Main Specifications

- Multifunction device (High-Performance Inkjet)
- Monochrome
- Print speed: 100ppm (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-24651E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	4/4/2025
Verification date	3/28/2025
Verification method	Product-by-product
Verification#	JV-AI-24651
Expiration date	3/27/2030
PCR review was conducted by:	
Approval date	9/1/2023
PCR review panel chair	Masayuki Kanzaki (SuMPO)

Third party verifier*

Ato Takahiro

Independent verification of data & declaration in accordance
with ISO14025

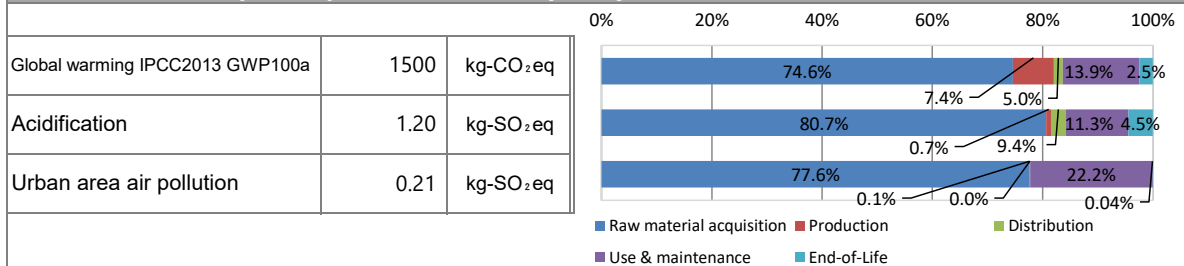
internal

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	1.5E+03	1.1E+03	1.1E+02	2.3E+01	2.0E+02	3.6E+01
Acidification		kg-SO ₂ eq	1.2E+00	9.6E-01	1.0E-02	3.3E-02	1.3E-01	5.3E-02
Resources consumption		kg-Sbeq	2.1E-01	1.7E-01	2.8E-04	9.9E-05	4.8E-02	7.9E-05

2. Life cycle inventory analysis (LCI)

Parameter	Value	Unit
Non-renewable material resources	1.6E+02	kg
Renewable material resources	2.9E+02	kg

3. Waste to disposal

Parameter	Value	Unit
Steel	1.0E+02	kg
SUS	3.4E+00	kg
Aluminum	3.3E+00	kg
Other metal	1.2E+01	kg
Plastic	5.4E+01	kg
Rubber	1.0E+00	kg
Glass	1.4E+00	kg
Paper and wood	1.4E+01	kg
Circuit Board	3.7E+00	kg
Other	1.2E+01	kg

5. Additional explanation

- Product destination: Japan
- Calculation method of use stage (scenario)
 - Expected usage period: 5 years
 - Estimated number of use: 1,497,600 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.3.0
 1,497,600 sheets = (156 pages x 32 jobs/day x 5 days) / 4 x 4 weeks x 12 months x 5 years

6-1. Supplementary environmental information

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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/>)