



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-24039E

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  
PX-M7090FX (Japan)**

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: PX-M7090FX

Main Specifications

■ Multifunction device

■ Color

■ Print speed: 24ppm (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)

<b>Registration#</b>	JR-AI-24039E
<b>PCR number</b>	PA-590000-AI-08
<b>PCR name</b>	Imaging input and/or output equipment
<b>Publication date</b>	3/8/2024
<b>Verification date</b>	2/29/2024
<b>Verification method</b>	Product-by-product
<b>Verification#</b>	JV-AI-24039
<b>Expiration date</b>	2/27/2029
<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\***

Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

internal

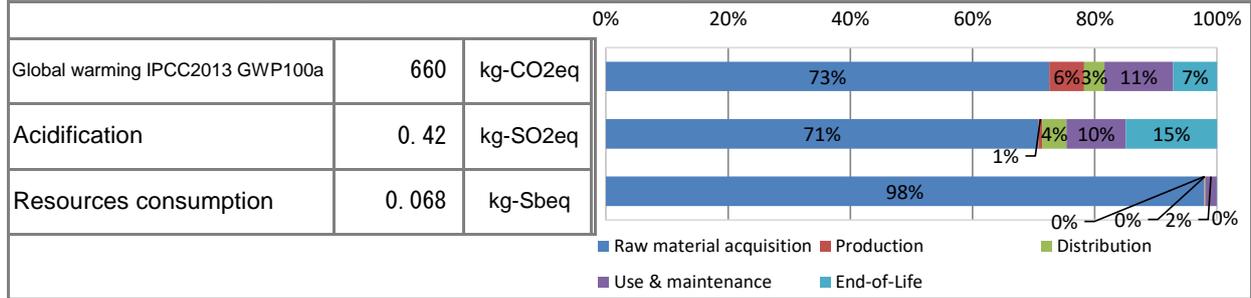
external

\*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	6.6E+02	5.5E+02	3.8E+01	1.1E+01	4.1E+01	1.7E+01
Acidification		kg-SO <sub>2</sub> eq	4.2E-01	3.7E-01	3.4E-03	1.6E-02	9.0E-03	3.1E-02
Resources consumption		kg-Sbeq	6.8E-02	6.7E-02	9.6E-05	4.8E-05	1.0E-03	3.7E-05

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

Parameter	Unit
Non-renewable material resources	6.5E+01 kg
Renewable material resources	1.2E+02 kg

**3. Material composition**

Material	Unit
Steel	39 %
SUS	1 %
Aluminum	0 %
Other metal	5 %
Plastic	28 %
Rubber	0 %
Glass	1 %
Paper and wood	16 %
Circuit Board	3 %
Other	6 %

**5. Additional explanation**

- Product destination: Japan
- Calculation method of use stage (scenario)
  - Expected usage period: 5 years
  - Estimated number of use: 86,400 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

\* In accordance with the ENERGY STAR® Ver.3.0.  
 86,400 sheets = (24 pages x 12 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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