



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23342E

Japan EPD Program by SuMPO

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

**EPSON**

A4 Document Scanner

**RR-400W**



### 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 : RR-400W

Main Specifications

- Sheet-fed scanner (Without Flat-bed) For Personal
- Scanning Speed : Simplex or Duplex, 30ppm(60ppm)
- Scanning Size : 215.9mm × 5,588mm
- Scanning Resolution : 50~1200dpi (1dpi pitch)
- Scanning Method CIS

\*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, 392-0001, Japan

TEL 81-266-52-5353 (Japan)

Registration#	JR-AI-23342E
PCR number	PA-590000-AI-8
PCR name	Imaging input and/or output equipment
Publication date	11/2/2023
Verification date	10/16/2023
Verification method	Product-by-product
Verification#	JV-AI-23342
Expiration date	10/15/2023
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

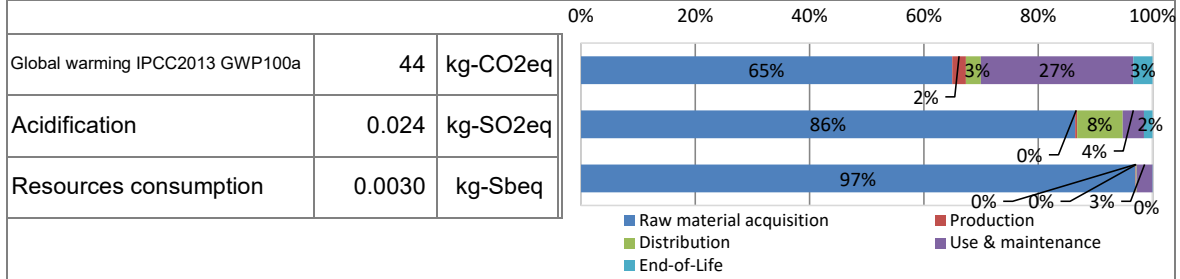
internal     external

\*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 <sub>2</sub> eq	4.4E+01	2.9E+01	1.1E+00	1.1E+00	1.2E+01	1.5E+00
Acidification		kg-SO <sub>2</sub> eq	2.4E-02	2.1E-02	8.5E-05	1.9E-03	9.1E-04	3.7E-04
Resources consumption		kg-Sbeq	3.0E-03	2.9E-03	2.7E-06	4.8E-06	8.3E-05	1.1E-06

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

Parameter	Unit
Non-renewable material resources	2.0E+00 kg
Renewable material resources	4.3E+00 kg

**3. Material composition**

Material	Unit
Steel	10 %
SUS	0 %
Aluminum	0 %
Other metal	9 %
Plastic	38 %
Rubber	1 %
Glass	1 %
Paper and wood	23 %
Circuit Board	6 %
Others	11 %

**5. Additional explanation**

- Product destination: North America
- Calculation method of use stage (scenario)\*
  - Expected usage : 5 years
  - Scans per day : 64 sheets / day (8 scans / day)
  - Workdays per month : 20 days / month
  - Working days per year : 240 days / year
  - Total scans : 9,600 times ( 76,800 sheets) / 5 years

\*For the load calculations during the Use & maintenance stage, scenarios were set up under the above conditions to match the user's actual usage conditions.

**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/>)