



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23341E

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
ES-C320W



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 : ES-C320W

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/\(Japanese\)](http://www.epson.jp/contact/(Japanese))

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Registration#	JR-AI-23341E
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-23341
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

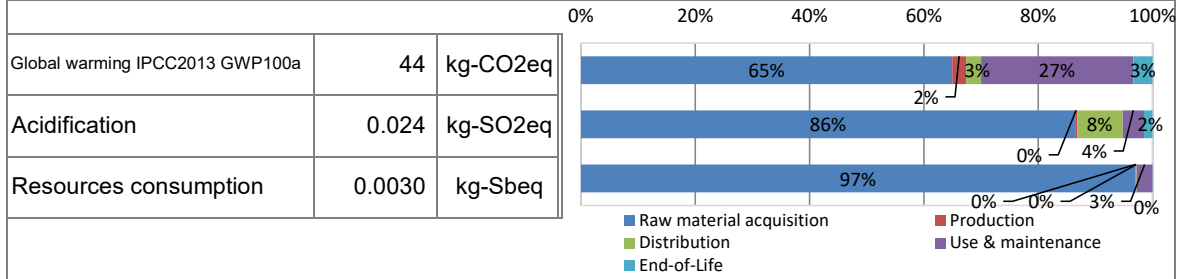
internal external

*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 ₂ eq	4.4E+01	2.9E+01	1.1E+00	1.2E+00	1.2E+01	1.5E+00
Acidification		kg-SO ₂ 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	24 %
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/>)