



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23252E

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
**WorkForce Enterprise
AM-C5000**

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: WorkForce Enterprise AM-C5000

Main Specifications

- Multifunction device (High Performance Inkjet)
- Color
- Print speed: 50ppm (single-sided A4 sheets)
- Maximum paper size (standard cassette): A3
- Automatic duplex printing

※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-ken, Japan

TEL 81-266-52-5353 (Japan)

Registration#	JR-AI-23252E
PCR number	PA-590000-AI-07
PCR name	Imaging input and/or output equipment
Publication date	8/31/2023
Verification date	8/22/2023
Verification method	Product-by-product
Verification#	JV-AI-23252
Expiration date	8/21/2028
PCR review was conducted by:	
Approval date	4/24/2023
PCR review panel chair	Masayuki Kanzaki (Sustainable Management Promotion Organization)

Third party verifier*

Tetsuya Okuyama

Independent verification of data & declaration in accordance with ISO14025

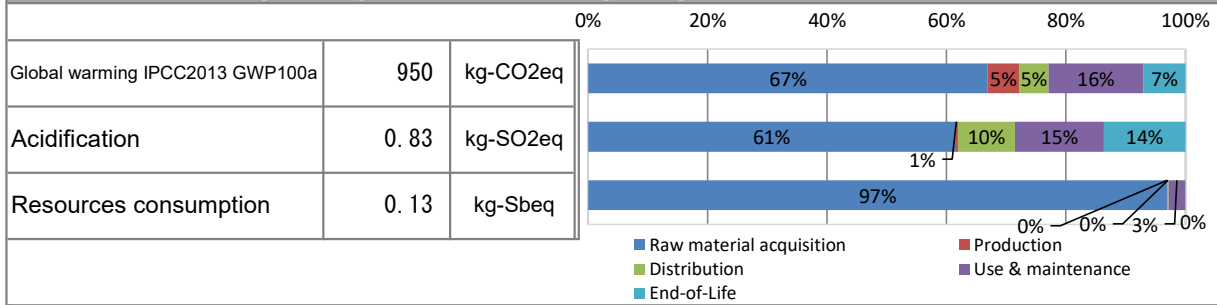
internal external

*Auditor's name is stated if system certification has been performed.

Registration number : JR-AI-23252E



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	9.5E+02	6.4E+02	5.0E+01	4.7E+01	1.5E+02	6.7E+01
Acidification		kg-SO ₂ eq	8.3E-01	5.1E-01	4.5E-03	7.9E-02	1.2E-01	1.1E-01
Resources consumption		kg-Sbeq	1.3E-01	1.2E-01	1.3E-04	2.0E-04	3.5E-03	5.0E-05

2. Life cycle inventory analysis (LCI)

Parameter	Value	Unit
Non-renewable material resources	9.3E+01	kg
Renewable material resources	1.6E+02	kg

3. Material composition

Material	Value	Unit
Steel	38	%
SUS	2	%
Aluminum	1	%
Other metal	6	%
Plastic	28	%
Rubber	0	%
Glass	2	%
Paper and wood	14	%
Circuit Board	1	%

5. Additional explanation

- Product destination: North America
- Calculation method of use stage (scenario)
 - Expected usage period: 5 years
 - Estimated number of use: 374,400 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 (High Performance IJ)

* In accordance with the ENERGY STAR® Ver.3.0.
 374,400 sheets = (32 pages x 39 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.3.0.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.

The basic unit list used is as follows.

1. Product Info

No	Unit name	field	
2	electroplated steel plate	Material manufacturing (metal)	
3	Hot dip plated steel plate		
4	painted steel plate		
5	electromagnetic steel plate		
6	stainless steel plate		
7	Cu board		
8	Al board		
16	glass		Material manufacturing (inorganic chemistry)
27	PE (low density)	Material manufacturing (synthetic resin)	
28	PP		
29	PS		
30	PVC		
32	PC (Polycarbonate)		
34	POM (Polyacetal)		
36	ABS		
38	MMA resin		
39	PA66 (Polyamide 66)		
43	Soft urethane foam (for automobiles)		
45	Unsaturated polyester (UP)		
48	Nitrile butadiene rubber (NBR)		Material manufacturing (rubber)
49	Styrene butadiene rubber (SBR)		
67	Cardboard		Material manufacturing (paper/wood)
68	Paperboard		
69	Western paper		
71	Wood chips (Foreign)		
75	laminated substrate	Parts manufacturing (general)	
76	mounting circuit board		
78	medium motor		
85	iron press	processing	
86	Nonferrous press		
87	Injection molding processing		
89	glass molding		
90	Parts processing	assembly	

2. Manufacturing - 5. Disposal/recycling

No	Basic unit name	field	
2	electroplated steel plate	Material manufacturing (metal)	
3	Hot dip plated steel plate		
4	painted steel plate		
5	electromagnetic steel plate		
6	stainless steel plate		
7	Cu plate		
8	aluminum plate		
16	glass		Material manufacturing (inorganic chemistry)
27	PE (low density)		
28	PP		
29	PS		
30	PVC		
32	PC (Polycarbonate)		
34	POM (Polyacetal)		
36	ABS		
38	MMA resin		
39	PA66 (Polyamide 66)		
43	Soft urethane foam (for automobiles)		
45	Unsaturated polyester (UP)		
48	Nitrile butadiene rubber (NBR)	Material manufacturing (rubber)	
49	Styrene butadiene rubber (SBR)		
67	Cardboard	Material manufacturing (paper/wood)	
68	Paperboard		
69	Western paper		
71	Wood chips (Foreign)		
75	laminated substrate	Parts manufacturing (general)	
76	mounting circuit board		
78	medium motor		
85	iron press	processing	
86	Nonferrous press		
87	Injection molding processing		
89	glass molding		
90	Parts processing	assembly	
92	4t truck	transportation	
93	10t truck		
95	20t truck		
96	Freight rail transport		
97	cargo shipping		
99	electric power		Electric power/fuel
100	Heavy oil for fuel		
101	Light oil for fuel		
102	kerosene for fuel		
110	heavy oil		
111	light oil		
112	kerosene		
117	City gas (m3)		
118	LPG		
119	LNG		
125	industrial water	Utilities (water)	
126	Tap water (kg)		
129	Crushing	Disposal/recycling (crushing/sorting)	
133	Waste incineration/ash landfill	Disposal/Recycling (Incineration/Landfill)	
134	Industrial waste incineration		
137	industrial waste landfill		

8. Remarks

-

- 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/>)