



SuMPO EPD
Type III Environmental Declaration (EPD)

Registration number : JR-AI-25418E

Japan EPD Program by SuMPO

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

Canon Inc.

i-SENSYS LBP646Cdw(For EU)



Functional unit

Per unit product

System boundary

■ final products □ intermediate products

Raw Material acquisition, Production, Distribution,
Use & maintenance, and End-of-Life stage

Main specifications of the product

Model name: i-SENSYS LBP646Cdw(For EU)

Specifications

- Printer (Electrophotography)
- CL
- Print Speed : Up to 25 ipm(A4)
- Max paper size : LGL
- Print/Duplex printing
- Weight : approx. 12.5kg (Toner Cartridge is not included.)

Company Information

Canon Inc.
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Registration#	JR-AI-25418E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	1/5/2026
Verification date	12/17/2025
Verification method	System certification
Verification#	JV-AI-25418
Expiration date	12/16/2030

PCR review was conducted by:

Approval date	9/1/2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

Hiroyuki Uchida

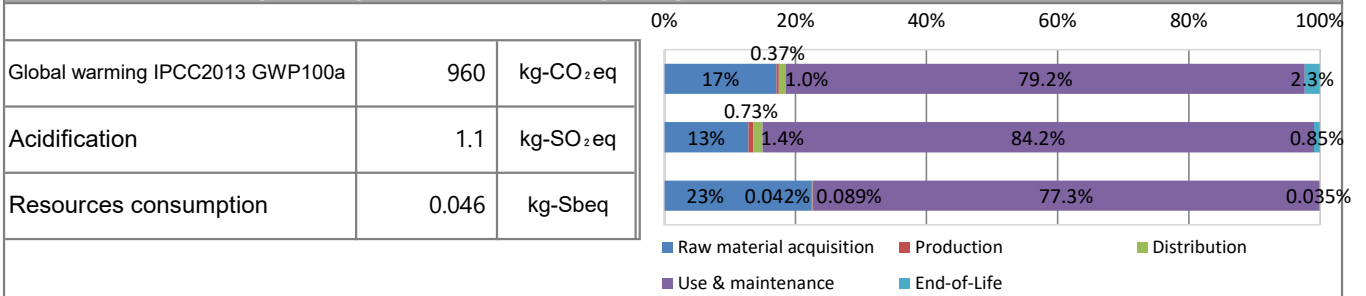
Independent verification of data & declaration in accordance with ISO14025

☐ 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	9.6E+02	1.6E+02	3.5E+00	9.8E+00	7.6E+02	2.2E+01
Ozone layer destruction		kg-CFC-11eq	1.1E-04	2.1E-05	1.3E-06	1.2E-10	8.7E-05	1.4E-07
Acidification		kg-SO ₂ eq	1.1E+00	1.5E-01	8.4E-03	1.6E-02	9.6E-01	9.7E-03
Resources consumption		kg-Sbeq	4.6E-02	1.0E-02	2.0E-05	4.1E-05	3.6E-02	1.6E-05

2. Life cycle inventory analysis (LCI)

Parameter	Unit
Non-renewable energy resources	1.3E+04 MJ
Renewable primary energy	1.3E+03 MJ

3. Material composition

Material	Unit
Common Steel	25 %
Stainless Steel	0.18 %
Aluminium	1.1 %
Other Metal	1.1 %
Plastic	40 %
Rubber	0.091 %
Glass	0.87 %
Paper/Wood	22 %
Circuit Board	4.3 %
Others	4.6 %



5. Additional explanation

Calculated in the following conditions;

- Printing paper is not considered.
- Expected use period is 5 years.
- The standard scenario for Printer (Electrophotography).
- UK / France / Germany / Italy / Spain / Portugal / Belgium / Netherland / Austria / Switzerland / Denmark / Sweden / Norway / Finland market.
- Print volume: 90,000 sheets.
- The applied Energy Star program version is 3.0.

We evaluated the Ecoleaf with Canon's own data of raw materials weight and the general basic unit for the parts because it is difficult to collect the data for a couple of thousands of parts. Accordingly, the results may be different from the specific product specification. As such, please be advised that this result would be a rough estimate.

6-1. Supplementary environmental information

Complies with the EU RoHS Directive (2011/65/EU) and its amendments including 2015/863/EU.

Manufactured at ISO 14001 certified factories.

7. Assumptions of secondary data used

IDEA v3.1, and registered data v1.15 of Japan EPD Program by SuMPO are used.

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/>)
- This is a selfdeclared translation of EPD that can be accessed at JR-AI-25418E
and is published for convenience purposes. Only the original EPD is valid and binding between parties.