



SuMPO EPD
Type III Environmental Declaration (EPD)

Japan EPD Program by SuMPO

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

Registration number : JR-AI-25149E

Canon Inc.

Color imageCLASS LBP646Cdw(For US)



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: Color imageCLASS LBP646Cdw(For US)

Specifications

- Printer (Electrophotography)
- CL
- Print Speed : Up to 26 ipm(LTR)
- Max paper size : LGL
- Print/Duplex printing
- Weight : approx. 12.5kg (Cartridge is not included.)

Company Information

Canon Inc.
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+81-3-3758-2111

Registration#	JR-AI-25149E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	9/2/2025
Verification date	8/26/2025
Verification method	System certificaion
Verification#	JV-AI-25149
Expiration date	8/25/2030
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

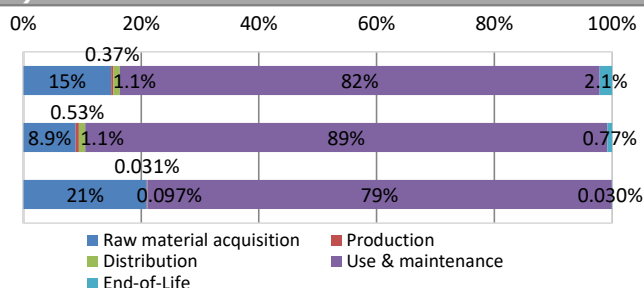
☐ internal ☒ external

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

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1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	1000	kg-CO ₂ eq
Acidification	1.6	kg-SO ₂ eq
Resources consumption	0.051	kg-Sbeq



Parameter	stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a		kg-CO ₂ eq	1.0E+03	1.5E+02	3.8E+00	1.2E+01	8.3E+02	2.1E+01
Ozone layer destruction		kg-CFC-11eq	9.8E-05	2.0E-05	8.7E-07	9.4E-09	7.7E-05	1.4E-07
Acidification		kg-SO ₂ eq	1.6E+00	1.4E-01	8.2E-03	1.6E-02	1.4E+00	1.2E-02
Resources consumption		kg-Sbeq	5.1E-02	1.1E-02	1.5E-05	4.9E-05	4.0E-02	1.5E-05

2. Life cycle inventory analysis (LCI)

Parameter	Unit
Non-renewable energy resources	1.4E+04 MJ
Renewable primary energy	1.0E+03 MJ

3. Material composition

Material	Unit
Common Steel	27 %
Stainless Steel	0.18 %
Aluminium	1.1 %
Other Metal	2.4 %
Plastic	41 %
Rubber	0.050 %
Glass	0.89 %
Paper/Wood	21 %
Circuit Board	3.6 %
Others	3.7 %



5. Additional explanation

Calculated in the following conditions;

- Printing paper is not considered.
- Expected use period is 5 years.
- The standard scenario for Printer (EP type).
- US market.
- Print volume: 101,400 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-25149E]
and is published for convenience purposes. Only the original EPD is valid and binding between parties.