



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-25069E-A

Canon Inc.

imageRUNNER ADVANCE 4545i III(4545i ES II) (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: imageRUNNER ADVANCE 4545i III(4545i ES II) (For EU)

#### Specifications

- Multi Functional Printer (Electrophotography)
- BW
- Print Speed : Up to 45 ipm (A4)
- Max paper size : A3
- Print/copy/scan/Duplex printing/ADF
- Weight : approx.102kg (Toner bottle not included)

### Company Information

Canon Inc.  
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<b>Registration#</b>	JR-AI-25069E-A
<b>PCR number</b>	PA-590000-AI-08
<b>PCR name</b>	Imaging input and/or output equipment
<b>Publication date</b>	7/2/2025
<b>Verification date</b>	6/25/2025
<b>Verification method</b>	System certificaion
<b>Verification#</b>	JV-AI-25069
<b>Expiration date</b>	6/24/2030
<b>PCR review was conducted by:</b>	
<b>Approval date</b>	9/1/2023
<b>PCR review panel chair</b>	Masayuki Kanzaki Sustainable Management Promotion Organization

### Third party verifier\*

Hiroyuki Uchida

Independent verification of data & declaration in accordance with ISO14025

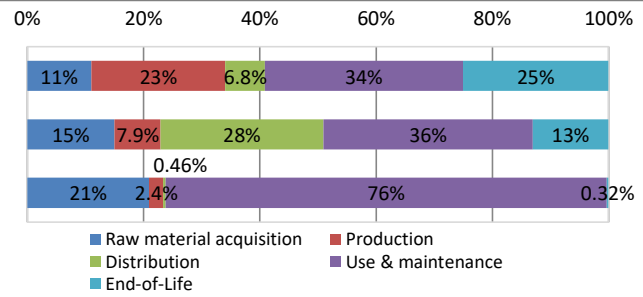
internal     external

\*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	510	kg-CO <sub>2</sub> eq
Acidification	0.41	kg-SO <sub>2</sub> eq
Resources consumption	0.032	kg-Sbeq



Parameter	stage		Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
	Unit	Total					
Global warming IPCC2013 GWP100a	kg-CO <sub>2</sub> eq	5.1E+02	5.7E+01	1.2E+02	3.5E+01	1.8E+02	1.3E+02
Ozone layer destruction	kg-CFC-11eq	1.8E-04	1.2E-05	1.6E-04	4.7E-10	4.7E-06	9.5E-07
Acidification	kg-SO <sub>2</sub> eq	4.1E-01	6.0E-02	3.2E-02	1.2E-01	1.4E-01	5.4E-02
Resources consumption	kg-Sbeq	3.2E-02	6.6E-03	7.7E-04	1.5E-04	2.4E-02	1.0E-04

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

Parameter	Unit	Value
Non-renewable energy resources	MJ	7.2E+03
Renewable primary energy	MJ	2.5E+02

### 3. Material composition

Material	Unit	Value
Common Steel	%	40
Stainless Steel	%	0.78
Aluminium	%	0.16
Other Metal	%	1.2
Plastic	%	29
Rubber	%	0.29
Glass	%	2.1
Paper/Wood	%	21
Circuit Board	%	2.2
Others	%	3.4



## 5. Additional explanation

Calculated in the following conditions;

- Printing paper is not considered.
- Expected use period is 5 years.
- The standard scenario for Multifunction Device (EP type).
- UK / France / Germany / Italy / Spain / Portugal / Belgium / Netherland / Austria / Switzerland / Denmark / Sweden / Norway / Finland market.
- Print volume: 297,600 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

4/10/2026 The Model name was changed to ensure consistency of the product name in the destination market.

- 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-25069E-A] and is published for convenience purposes. Only the original EPD is valid and binding between parties.