



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-24048E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan

<https://ecoleaf-label.jp/>

Canon Inc.

Canon Large Format Printer PRO-4600



### 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: Canon Large Format Printer PRO-4600

Specifications

- Large Format Printer (Inkjet method)
- Maximum paper size: 44in.

### Company Information

Canon Inc.  
 30-2, Shimomaruko 3-chome, Ohta-ku,  
 Tokyo 146-8501, Japan  
 +81-3-3758-2111

Registration#	JR-AI-24048E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	3/7/2024
Verification date	3/1/2024
Verification method	Product-by-product
Verification#	JV-AI-24048
Expiration date	2/28/2029
PCR review was conducted by:	
Approval date	9/1/2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

### Third party verifier\*

Kazuo Naito

Independent verification of data & declaration in accordance with ISO14025

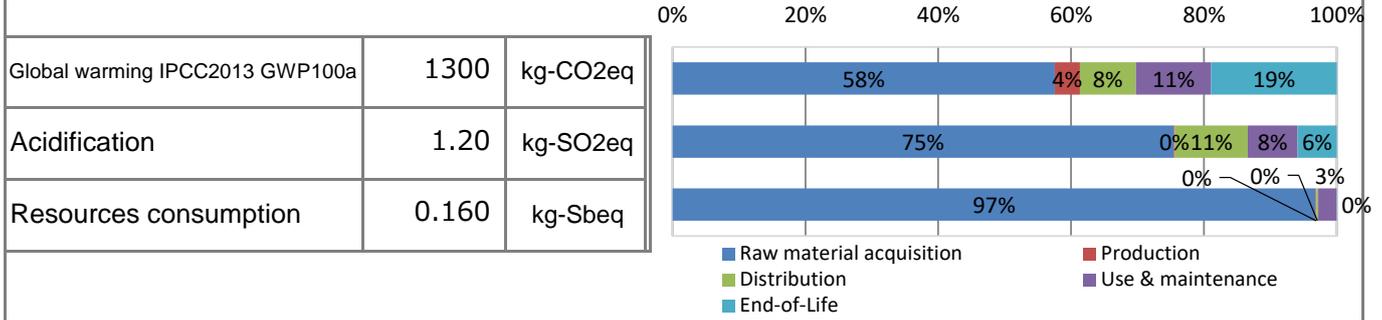
internal     external

\*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 <sub>2</sub> eq	1.3E+03	7.3E+02	4.8E+01	1.1E+02	1.4E+02	2.4E+02
Ozone layer destruction		kg-CFC-11eq	1.5E-04	1.3E-04	7.0E-09	7.6E-10	7.2E-06	2.8E-06
Acidification		kg-SO <sub>2</sub> eq	1.2E+00	9.3E-01	2.5E-03	1.3E-01	9.2E-02	7.3E-02
Resources consumption		kg-Sbeq	1.6E-01	1.6E-01	1.9E-04	4.5E-04	4.4E-03	6.8E-05

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

Parameter	Value	Unit
Non-renewable energy resources	1.7E+04	MJ
Renewable primary energy	2.0E+02	MJ

**3. Material composition**

Material	Value	Unit
Common Steel	36.3	%
Stainless Steel	1.3	%
Aluminium	3.3	%
Other Metal	1.5	%
Plastic	27.4	%
Rubber	0.11	%
Glass	0.0000	%
Paper/Wood	25.1	%
Circuit Board	0.8	%
Others	4.1	%



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## 5. Additional explanation

Calculated in the following conditions;

- Printing paper is not considered.
- Expected use period is 3 years.
- The standard scenario for Large Format Printer (IJ type).
- US market.
- Print volume: 3,600 sheets.
- The applied Energy Star program version is 3.0 Professional. Print volume is calculated by number of images described in the Appendix D.

## 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 v2.1.3, and registered data v1.13 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/>)

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