



✓ Third party verified

## Environmental Product Declaration

In Conformance with  
ISO14025 | ISO14040 | ISO14044



CANON Inc.

## imageFORMULA DR-C340



Registration number

SuMPO-EPD-2511-13-1

Verification date

2025/11/6

Publication date

2025/12/19

\* First publication date

Expiration date

2030/11/5

EPD type

Single Product EPD

Additional standards in conformance

None

EPD can be updated or withdrawn during the validity period. To confirm the validity of this EPD, check the following website:  
<https://ecoleaf-label.jp/epd/search>

## ● General Information

### > Programme

Programme name	SuMPO EPD Japan
Programme operator	Sustainable Management Promotion Organization (SuMPO)
Address	KANDA SQUARE GATE 4F, 14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo, 101-0047, Japan
Website	<a href="https://ecoleaf-label.jp">https://ecoleaf-label.jp</a>

### > GPI and PCR

GPI	SuMPO EPD Japan General Program Instructions v.2.1.1
PCR name	Imaging input and/or output equipment [8th edition]
PCR registration number	PA-590000-AI-08
PCR publication date	2023/09/01
PCR review panel chair	Masayuki Kanzaki(Sustainable Management Promotion Organization)
PCR valid until	2028/08/31
PCR issuer	Sustainable Management Promotion Organization (SuMPO)

### > Verification

Verification Type	Third-party verification in conformance with ISO14025		
	<input type="checkbox"/> Internal	<input checked="" type="checkbox"/> External	
	<input checked="" type="checkbox"/> Third-party verification by individual verifier	<input type="checkbox"/> Third-party verification by verification body	<input type="checkbox"/> Third-party verification by system certification
Verifier	Hiroyuki Nakamura(Herb Professional Engineer Office)		

### > Standards

Standards in conformance with;	<input checked="" type="checkbox"/> ISO14040:2006	<input checked="" type="checkbox"/> ISO14044:2006	<input type="checkbox"/> ISO14067:2018
	<input checked="" type="checkbox"/> ISO14025:2006	<input type="checkbox"/> ISO21930:2007	<input type="checkbox"/> ISO21930:2017
	<input type="checkbox"/> EN15804+A2	<input type="checkbox"/> EN50693:2019	<input type="checkbox"/> ISO/IEC63366:2025

EPD owner is responsible for the information contained in the EPD and for environmental claims related to the information. For any inquiries or requests regarding the content of the EPD, please contact the EPD owner.

EPDs are comparable only if they comply with this document, use the same sub-PCR where applicable, include all relevant information and are based on equivalent scenarios. Comparability of EPDs is limited to those applying a functional unit.

The LCIA results are relative expressions and do not predict impacts on category endpoints, the exceedance of thresholds, safety margins or risks.

When using weighted averages for calculation, the life cycle impact assessment results, life cycle inventory analysis-related information, waste-related information, and environmental information on output flows do not correspond to information about a specific product.

## ● EPD Owner's Information

Name of company and dept.	Canon Inc.
Address	3 Shimomaruko, Ota-ku, Tokyo 146-8501 -30-2
Contact	03-3758-2111 (Representative)
LCA practitioner	Kuniyuki Iizuka, Associate Staff Engineer, IMS Products Engineering Dept., Canon Electronics Inc.
Company description	A Japanese precision equipment manufacturer that manufactures cameras, video equipment and other imaging equipment, printers, copiers and other office equipment, digital multimedia equipment, and semiconductor and display manufacturing equipment (Exposure apparatus and vapor deposition apparatus).

## ●Product Information

Product name		imageFORMULA DR-C340	
Product /model number		DR-C340	
Product specification	Mass	5.49kg	Conversion factor 5.49kg
	Function	Desktop seat through scanner	
	Applications	Document Scanner	
	TS*	Reading speed: single-sided 40ppm/double-sided 80ipm(Color 200dpi, A4)	
Service life	Service life	5 years	
	In-use conditions	Use in general offices such as government agencies, financial institutions and SOHOs.	
	reference	It is assumed to operate 8 hours a day and 20 days a month. Otherwise, assume the power is off.	
Manufacturing site(s)		Misato Plant	
Product description		A4 desktop scanner for high-speed scanning of 40ppm per side/80ipm per side (Color 200dpi, A4), loading up to 100 sheets in the paper tray, and passport scanning without carrier sheet.	
Website		-	

\* TS: technical specifications,

## ●Product Content

Product components	Propotion (%)	Mass (unit)	
ordinary steel	15	4.8E-01	kg
SUS	8.3	2.7E-01	kg
aluminium	0.010	3.2E-04	kg
Other Metals	5.7	1.9E-01	kg
Plastic	48	1.6E+00	kg
Rubber	1.9	6.2E-02	kg
Glass	0.47	1.6E-02	kg
Paper and wood	0.60	2.0E-02	kg
Mounting circuit board	2.6	8.6E-02	kg
Other	17	5.8E-01	kg
Packaging materials	Propotion (%)	Mass (unit)	
EPE (Polyethylene Foam) Sheet	1.0	2.1E-02	kg
PP Tape (Polypropylene)	0.13	2.9E-03	kg
Paper	0.94	2.1E-02	kg
paper tape	0.036	8.0E-04	kg
corrugated board	91	2.0E+00	kg

## ●Biogenic Carbon Content

Item	Content (kg-C)	Content (kg-CO <sub>2</sub> eq)
Biogenic carbon content per product	-	-
Biogenic carbon content in packaging	-	-

## ● LCA-related Information

### > EPD Type Information

EPD type	Product type	<input checked="" type="checkbox"/> Single product EPD	<input type="checkbox"/> Multiple products EPD	<input type="checkbox"/> Industry-wide EPD	
	Site type	<input checked="" type="checkbox"/> Single site	<input type="checkbox"/> Multiple sites		
	Value	<input checked="" type="checkbox"/> Specific	<input type="checkbox"/> Average	<input type="checkbox"/> Representative	<input type="checkbox"/> Worst case
Geographical coverage		Global			
Description of representativeness for multiple-products/sites EPD		-			
Description of variation for multiple-products/sites EPD		-			
Description of products covered in the multiple products EPD		-			

### > LCA Information

Declared unit		1 unit	
Mass per declared unit (Conversion factor to mass)		-	
Reference flow (number of products required to fulfil the function)		-	
System boundary		<input type="checkbox"/> Cradle-to Gate	<input type="checkbox"/> Cradle-to-Gate with options
LCA software		MiLCAv3.1	
LCI database		IDEAv3.1	
Characterization model		Climate change: IPCC Sixth Assessment Report (IPCC, 2021); Other impact areas: LIME2	
Use of other background data		None	
Secondary data quality		The calculation was carried out using the data which satisfied the secondary data quality specified in GPI.	
Primary data collection sites		Misato Plant	
Primary data collection period		January 1, 2024 – December 31, 2024	
Biogenic carbon		<input checked="" type="checkbox"/> 0/0 approach	<input type="checkbox"/> -1/+1 approach
Information about electricity	Use	<input checked="" type="checkbox"/> Average consumption mix	<input type="checkbox"/> Others
	Type	-	
	Purchase date	-	
	Issuing body	-	

### > Life Cycle Stages

Raw materials acquisition stage	Production stage	Distribution stage	Use stage	End of life stage
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

■ : declared stage      - : stage not declared

Environmental Product Declaration for **imageFORMULA DR-C340****> Allocation**

Allocation is not done because no single process outputs multiple products.

**> Cut-off rules**

No cut-off except for 5-2 of Product Category Rule (PCR) Certification No. PA -590,000 AI-08.

**> System Boundary**

Based on the Product Category Rule (PCR) Certification No. PA -590,000 AI-08, the following 5 life cycle stages were used.

- raw material procurement stage
- production stage
- distribution stage
- use and maintenance stage
- Disposal and recycling stages

**> Scenario**

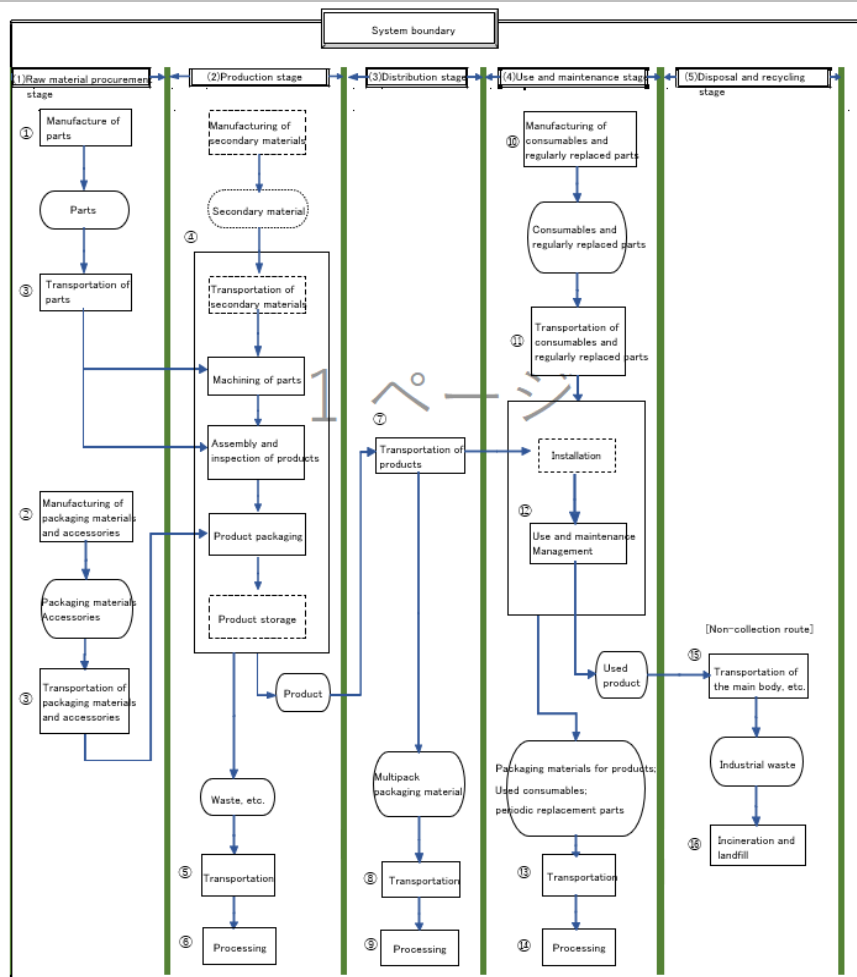
Comply with the Product Category Rule (PCR) Certification No. PA -590,000 AI-08.

**> Electricity Modelling**

The basic unit of public electric power of each country of MiLCAv3.1 was used.

Environmental Product Declaration for **imageFORMULA DR-C340**

## &gt; Life Cycle Sytem Diagram



## ● LCA Result

### > LCIA Indicators

		Raw materials acquisition stage	Production stage	Distribution stage	Use stage	End of life stage
GWP	kg-CO <sub>2</sub> eq	5.96E+01	4.73E-01	2.29E+00	6.37E+01	2.10E+00
Ozone layer depletion	kg-CFC-11eq	1.71E-05	1.14E-07	2.34E-08	8.97E-06	5.13E-08
Acidification	kg-SO <sub>2</sub> eq	6.96E-02	4.65E-04	3.30E-03	2.00E-01	3.24E-03
Urban air pollution	kg-SO <sub>2</sub> eq	5.20E-02	3.55E-04	1.38E-03	1.61E-01	1.83E-03
Photochemical oxidants	kg-C <sub>2</sub> H <sub>4</sub> eq	2.88E-03	9.12E-06	1.71E-05	1.74E-03	4.81E-06
Hazardous chem. - carcinogenic	kg-C <sub>6</sub> H <sub>6</sub> eq	1.18E-01	1.11E-05	2.06E-04	3.82E-02	9.25E-04
Hazardous chem. - chronic	kg-C <sub>6</sub> H <sub>6</sub> eq	3.12E-03	1.41E-06	6.49E-06	2.16E-03	1.21E-06
Aquatic ecotoxicity	kg-C <sub>6</sub> H <sub>6</sub> eq	3.57E-01	9.23E-04	1.89E-04	7.12E-02	4.14E-04
Terrestrial ecotoxicity	kg-C <sub>6</sub> H <sub>6</sub> eq	6.43E+00	2.24E-02	4.52E-03	1.36E+00	9.78E-03
Eutrophication	kg-PO <sub>4</sub> <sup>3-</sup> eq	3.25E-03	2.88E-08	3.81E-08	1.11E-03	1.35E-06
Land use - maintenance	m <sup>2</sup> /year	1.24E+00	2.34E-03	8.26E-02	7.58E-01	3.90E-03
Land use - modification	m <sup>2</sup> /year	1.95E-02	6.48E-05	1.66E-03	1.43E-02	8.47E-05
Resource consumption	kg-Sbeq	1.98E-02	3.21E-06	8.64E-06	1.72E-03	2.02E-06

### > LCI

		Raw materials acquisition stage	Production stage	Distribution stage	Use stage	End of life stage
Use of non-renewable resources	kg	4.28E+00	6.30E-03	2.43E-02	1.42E+00	1.11E-01
Use of non-renewable energy	kg	2.53E+01	1.78E-01	6.23E-01	2.64E+01	1.29E-01
Use of non-renewable energy	MJ	1.07E+03	7.33E+00	2.78E+01	1.12E+03	5.36E+00
Use of renewable resources	kg	1.90E+01	5.06E-04	2.55E-04	1.31E+01	9.51E-04
Use of renewable energy	MJ	1.42E+02	3.02E+00	6.09E-01	1.98E+02	1.31E+00
Consumption of freshwater resources	m <sup>3</sup>	7.79E-01	6.80E-05	9.31E-05	3.89E-01	2.62E-04

### > Waste Indicators

		Raw materials acquisition stage	Production stage	Distribution stage	Use stage	End of life stage
hazardous waste disposed	kg	-	-	-	-	-
non-hazardous waste disposed	kg	5.22E-01	8.08E-05	2.49E-03	2.64E-01	1.63E+00
Municipal waste, landfill	kg	1.36E-05	2.19E-14	2.10E-14	2.90E-09	9.43E-14
Industrial waste, landfill	kg	5.22E-01	8.08E-05	2.49E-03	2.64E-01	1.63E+00

\*It indicates the amount of waste generated throughout the lifecycle.

### > Output Flow Indicators

		Raw materials acquisition stage	Production stage	Distribution stage	Use stage	End of life stage
Components for reuse	kg	-	-	-	-	-
Materials for recycling	kg	-	-	-	-	-
Material for energy recovery	kg	-	-	-	-	-
Exported energy from waste (energy recovery efficiency ≥ 60%)	MJ	-	-	-	-	-
Incineration of waste (energy recovery efficiency < 60%)	Waste disposed	kg	-	-	-	-
	Recovered energy	MJ	-	-	-	-
Waste disposed in landfill and energy recovered from landfill gas	Waste disposed	kg	-	-	-	-
	Recovered energy	MJ	-	-	-	-

## Environmental Product Declaration for imageFORMULA DR-C340

### > Description of LCA Results

- Product destination assumed at the time of calculation: United States
  - Calculation method of use and maintenance stage
    - Daily scan: 4000 images per day
    - Days worked in -1 months: 20 days/month
    - Number of working days in year: 240
    - Expected period of use: 5 years
    - Total scanned images: 4.8 million per 5 years
  - Scenario used for load calculation: sheet fed scanner
    - Category: Low2
    - The calculation was based on the scenario, using the specification of 40 ppm for single-sided and 80 ipm for double-sided at A4 portrait orientation and a resolution of 200 dpi.
- The load of the image output medium in the use stage is not counted.

## ●Additional Environmental Information

### > Additional Environmental Information not related to LCA

Compliant with the RoHS Directive, which bans the use of 10 specific chemical substances.  
This product is assembled and manufactured at an ISO14001 certified factory.

### > Information on Hazardous Substances

Hazardous materials name	CAS No.	Standards or regulations
-	-	-
-	-	-
-	-	-

## ●Definitions of Terms

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## ●References

- ISO14025:2006 Environmental labels and declarations — Type III environmental declarations — Principles and procedures
- ISO14040:2006 Environmental management - Life Cycle Assessment - Principles and framework
- ISO14044:2006 Environmental management - Life Cycle Assessment - Requirements and guidelines

## ●Version History