SuMPO EPD Japan

Third party verified

Environmental Product Declaration

In Confromance with

ISO14025 | ISO14040 | ISO14044

CANON Inc.

imageFORMULA DR-C350

Registration number	Verificartion date	Publication date	Expiration date	EPD type
SuMPO-EPD-2511-12-2	2025/11/6	2025/12/19 * First publication date	2030/11/5	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EPD can be updated or withdrawn during the validity period.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	https://ecoleaf-label.jp

＞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		
	☐ Internal	■ External	
	■ Third-party verification by individual verifier	☐ Third-party verification by verification body	☐ Third-party verification by system certification
Verifier	Hiroyuki Nakamura(Herb Professional Engineer Office)		

＞Standards

Standards in conformance with;	■ ISO14040:2006	■ ISO14044:2006	☐ ISO14067:2018
	■ ISO14025:2006	☐ ISO21930:2007	☐ ISO21930:2017
	☐ EN15804+A2	☐ EN50693:2019	☐ 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).

Environmental Product Declaration for imageFORMULA DR-C350

Product Information

Product name		imageFORMULA DR-C350		
Product /model number		DR-C350		
Product sepcification	Mass	5.49kg	Conversion factor	5.49kg
	Function	Desktop seat through scanner		
	Applications	Document Scanner		
	TS*	Reading speed: single-sided 50ppm/double-sided 100ipm(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 50ppm per side/100ipm 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_2 eq)
Biogenic carbon content per product	-	-
Biogenic carbon content in packaging	-	-

●LCA-related Information

＞EPD Type Information

EPD type	Product type	■ Single product EPD	☐ Multiple products EPD	☐ Industry-wide EPD	
	Site type	■ Single site	☐ Multiple sites		
	Value	■ Specific	☐ Average	☐ Representative	☐ 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		☐ Cradle-to Gate	☐ Cradle-to-Gate with options	■ Cradle-to-Grave
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		■ 0/0 approach	☐ -1/+1 approach
Information about electricity	Use	■ Average consumption mix	☐ Others
	Type	-	
	Purchase date	-	
	Issuing body	-	

＞Life Cycle Stages

Raw materials acquisition stage	Production stage	Distribution stage	Use stage	End of life stage
■	■	■	■	■

■ : declared stage　　－ : stage not declared

＞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

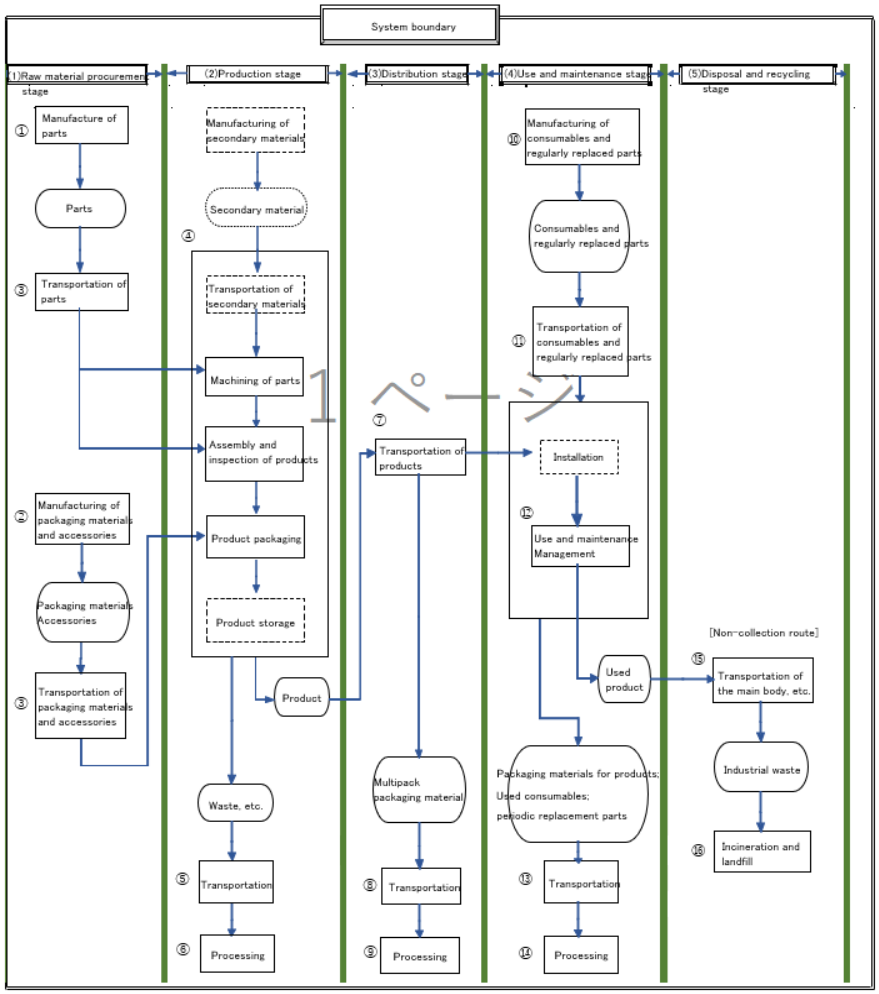
＞Scenario

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.

＞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_2eq	5.96E+01	4.73E-01	2.26E+00	1.05E+02	2.10E+00
Ozone layer depletion	kg-CFC-11eq	1.71E-05	1.14E-07	2.49E-08	1.84E-05	5.13E-08
Acidification	kg-SO_2eq	6.96E-02	4.65E-04	3.27E-03	2.85E-01	3.24E-03
Urban air pollution	kg-SO_2eq	5.20E-02	3.55E-04	1.37E-03	2.28E-01	1.83E-03
Photochemical oxidants	kg-C_2H_4eq	2.88E-03	9.12E-06	1.80E-05	3.55E-03	4.81E-06
Hazardous chem. - carcinogenic	kg-C_6H_6eq	1.18E-01	1.11E-05	2.06E-04	8.06E-02	9.25E-04
Hazardous chem. - chronic	kg-C_6H_6eq	3.12E-03	1.41E-06	6.37E-06	4.42E-03	1.21E-06
Aquatic ecotoxicity	kg-C_6H_6eq	3.57E-01	9.23E-04	2.01E-04	1.46E-01	4.14E-04
Terrestrial ecotoxicity	kg-C_6H_6eq	6.43E+00	2.24E-02	4.82E-03	2.77E+00	9.78E-03
Eutrophication	kg-PO_4^{3-}eq	3.25E-03	2.88E-08	3.85E-08	2.29E-03	1.35E-06
Land use - maintenance	m^2/year	1.24E+00	2.34E-03	8.58E-02	1.50E+00	3.90E-03
Land use - modification	m^2/year	1.95E-02	6.48E-05	1.72E-03	2.80E-02	8.47E-05
Resource consumption	kg-Sbeq	1.98E-02	3.21E-06	8.50E-06	3.48E-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	2.44E-02	2.63E+00	1.11E-01
Use of non-renewable energy	kg	2.53E+01	1.78E-01	6.12E-01	4.39E+01	1.29E-01
Use of non-renewable energy	MJ	1.07E+03	7.33E+00	2.73E+01	1.90E+03	5.36E+00
Use of renewable resources	kg	1.90E+01	5.06E-04	2.62E-04	2.71E+01	9.51E-04
Use of renewable energy	MJ	1.42E+02	3.02E+00	6.49E-01	3.94E+02	1.31E+00
Consumption of freshwater resources	m^3	7.79E-01	6.80E-05	9.33E-05	8.00E-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	5.37E-01	1.63E+00
Municipal waste, landfill	kg	1.36E-05	2.19E-14	2.12E-14	5.98E-09	9.43E-14
Industrial waste, landfill	kg	5.22E-01	8.08E-05	2.49E-03	5.37E-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 recoved from landfill gas	Waste disposed	kg	-	-	-	-	-
	Recovered energy	MJ	-	-	-	-	-

＞Description of LCA Results

・Product destination assumed at the time of calculation: United States
・Calculation method of use and maintenance stage
- Daily scan: 8000 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: 9.6 million per 5 years
The load of the image output medium in the use stage is not counted.
・Scenario used for load calculation: sheet fed scanner
Category: Medium1
The calculation was based on the scenario, using the specification of 50 ppm for single-sided and 100 ipm for double-sided at A4 portrait orientation and a resolution of 200 dpi.

In calculating the amount of raw materials used, we used our company data. However, because it is difficult to collect data on hundreds of parts, we used general data at the time of raw material production. Therefore, it may not reflect the unique features of this product. For the above reasons, these results should be considered approximate.

●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

Revised on February 25,2026: Added wording to the explanation of the LCA calculation results to describe the assumptions and the associated uncertainties.