



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22085E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

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

**brother**  
at your side  
BROTHER INDUSTRIES, LTD.

Business Level 4-in-1 colour laser printer

**MFC-L9670CDN** for EU



### Functional unit

Per unit of product

### System boundary

■ final products    □ intermediate products

Raw material acquisition - Production - Distribution

- Use & maintenance - End-of-Life

### Main specifications of the product

Model name: MFC-L9670CDN

- Business Facsimile (Color EP method)
- Product weight: 37.4kg    Packaging etc.: 5.7kg
- Maximum paper size A4 (maximum 210 x 297 mm)
- Super G3
- Automatic duplex printing
- Wired LAN

\* This product is for European Union.

### Company Information

Brother Industries, Ltd.

TEL: 81-52-824-2511 (Representative)

FAX: 81-52-824-5177

<https://www.brother.eu/en>

<b>Registration#</b>	JR-AI-22085E
<b>PCR number</b>	PA-590000-AI-04
<b>PCR name</b>	Imaging input and/or output equipment
<b>Publication date</b>	10/14/2022
<b>Verification date</b>	8/18/2022
<b>Verification method</b>	System certificaion
<b>Verification#</b>	JV-AI-22085E
<b>Expiration date</b>	8/17/2027
<b>PCR review was conducted by:</b>	
<b>Approval date</b>	4/1/2022
<b>PCR review panel chair</b>	Masayuki Kanzaki Sustainable Management Promotion Organization

### Third party verifier\*

Wataru Kawamura

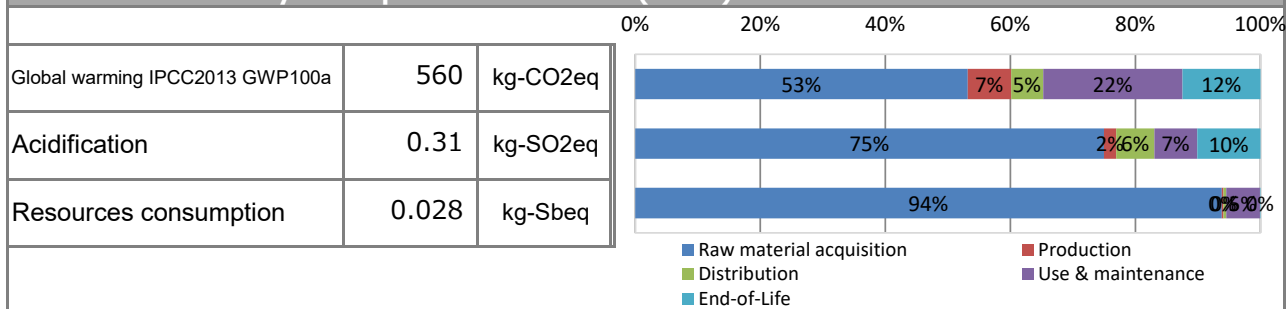
Independent verification of data & declaration in accordance with ISO14025

internal

external

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

Registration number : JR-AI-22085E

**1. Results of life cycle impact assessment (LCIA)**

Parameter	stage	Unit	Total	Life Cycle Stage				
				Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a		kg-CO <sub>2</sub> eq	5.6E+02	3.0E+02	3.9E+01	2.9E+01	1.3E+02	7.0E+01
Acidification		kg-SO <sub>2</sub> eq	3.1E-01	2.4E-01	6.2E-03	1.9E-02	2.1E-02	3.2E-02
Resources consumption		kg-Sbeq	2.8E-02	2.6E-02	7.6E-05	1.2E-04	1.5E-03	1.8E-05

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

項目	値	単位
Non-renewable material resources	2.3E+01	kg
Non-renewable energy resources	2.0E+02	kg
Renewable material resources	6.6E+01	kg
Renewable primary energy	1.5E+02	MJ
Consumption of freshwater	5.2E-01	m <sup>3</sup>

**3. Material composition**

Material	値	Unit
Steel	1.1E+01	kg
SUS	2.8E-01	kg
Aluminium	4.1E-01	kg
Other metal	1.1E-01	kg
Plastic	2.2E+01	kg
Rubber	2.7E-01	kg
Glass	1.1E+00	kg
Paper and Wood	4.6E+00	kg
Circuit board	1.5E+00	kg
Othres	2.4E+00	kg

**5. Additional explanation**

Calculation method for usage stage (scenario) : Facsimile (business model), Expected use period: 5 years, Transmission / reception: 48,000 each, Use pattern when measuring power: ITUT No.1 chart, Printing paper is not included in the environmental impact, This product is for European Union.

**6-1. Supplementary environmental information**

This product and main components are produced in our ISO 14001 certified factories.

**7. Assumptions of secondary data used**

Inventory Database: IDEA v2.1.3, and registered data of Japan EPD Program by SuMPO, JICA data v1.10 are used.

**8. Remarks**

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- 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/>)