



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22079E

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 Color Laser All-in-One Printer

**MFC-L9610CDN** for USA



**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-L9610CDN

- Business Facsimile (Color EP method)
- Product weight: 36.8kg    Packaging etc.: 5.5kg
- Maximum paper size: A4, Letter
- Super G3
- Automatic duplex printing
- Wired LAN

\* This product is for USA.

**Company Information**

Brother Industries, Ltd.

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

FAX: 81-52-824-5177

<https://www.brother-usa.com/>

<b>Registration#</b>	JR-AI-22079E
<b>PCR number</b>	PA-590000-AI-04
<b>PCR name</b>	Imaging input and/or output equipment
<b>Publication date</b>	12/12/2022
<b>Verification date</b>	10/11/2022
<b>Verification method</b>	System certificaion
<b>Verification#</b>	JV-AI-22079E
<b>Expiration date</b>	10/10/2027
<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\***

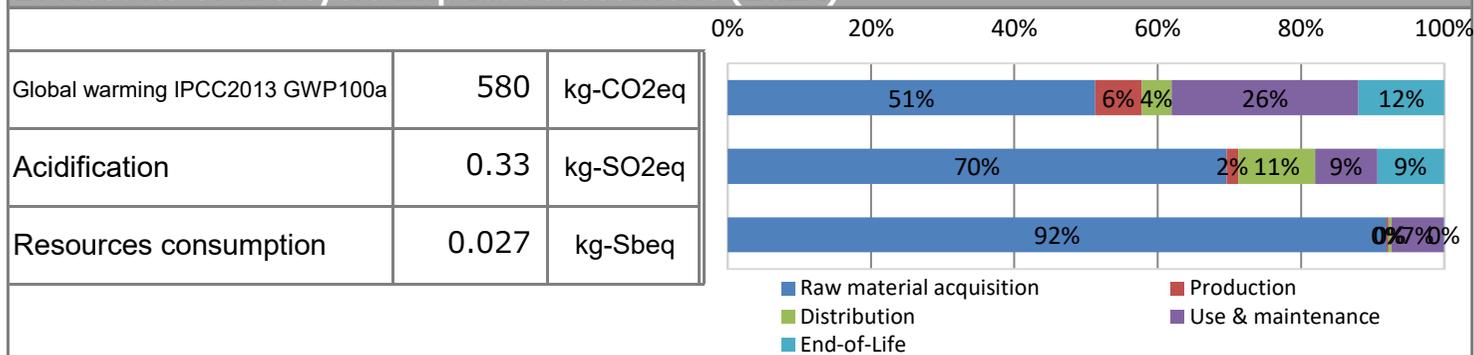
Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

internal       external

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

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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	5.8E+02	3.0E+02	3.7E+01	2.4E+01	1.5E+02	6.9E+01
Acidification		kg-SO <sub>2</sub> eq	3.3E-01	2.3E-01	5.5E-03	3.6E-02	2.9E-02	3.1E-02
Resources consumption		kg-Sbeq	2.7E-02	2.5E-02	7.0E-05	1.0E-04	2.0E-03	1.7E-05

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

項目	Value	単位
Non-renewable material resources	2.2E+01	kg
Non-renewable energy resources	2.1E+02	kg
Renewable material resources	6.6E+01	kg
Renewable primary energy	2.1E+02	MJ
Consumption of freshwater	5.2E-01	m <sup>3</sup>

**3. Material composition**

Material	Value	Unit
Steel	1.0E+01	kg
SUS	2.8E-01	kg
Aluminium	4.1E-01	kg
Other metal	1.1E-01	kg
Plastic	2.2E+01	kg
Rubber	2.4E-01	kg
Glass	1.1E+00	kg
Paper and Wood	4.4E+00	kg
Circuit board	1.5E+00	kg
Othres	2.1E+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 USA.

**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, JLCA 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/>)