



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22213E

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.

Monochrome Laser All-in-One Printer

**MFC-L2730DW** 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-L2730DW

- Business Facsimile (Monochrome EP method)

- Product weight: 11.6kg    Packaging etc.: 2.3kg

- Maximum paper size: A4, Letter

- Super G3

- Automatic duplex printing

- Wired/Wireless 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/>

Registration#	JR-AI-22213E
PCR number	PA-590000-AI-04
PCR name	Imaging input and/or output equipment
Publication date	12/22/2022
Verification date	12/8/2022
Verification method	System certificaion
Verification#	JV-AI-22213E
Expiration date	12/7/2027

**PCR review was conducted by:**

Approval date	4/1/2022
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

**Third party verifier\***

Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

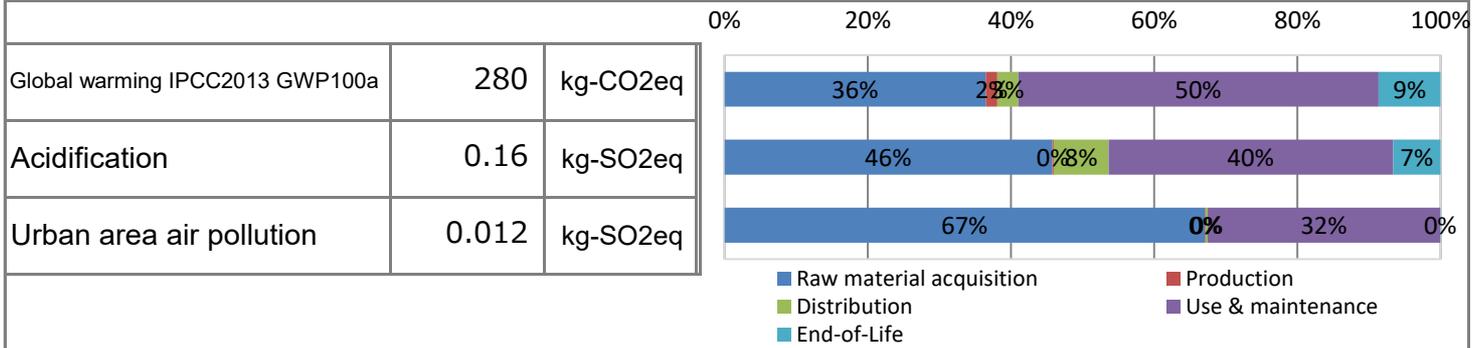
internal       external

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

Registration number : JR-AI-22213E



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	2.8E+02	1.0E+02	4.4E+00	8.2E+00	1.4E+02	2.4E+01
Acidification		kg-SO <sub>2</sub> eq	1.6E-01	7.5E-02	3.0E-04	1.3E-02	6.5E-02	1.1E-02
Resources consumption		kg-Sbeq	1.2E-02	7.9E-03	1.3E-05	3.4E-05	3.8E-03	5.8E-06

2. Life cycle inventory analysis (LCI)

項目	値	単位
Non-renewable material resources	1.2E+01	kg
Non-renewable energy resources	9.7E+01	kg
Renewable material resources	2.6E+01	kg
Renewable primary energy	1.1E+02	MJ
Consumption of freshwater	2.7E-01	m <sup>3</sup>

3. Material composition

Material	値	Unit
Steel	2.4E+00	kg
SUS	5.0E-02	kg
Aluminium	7.7E-02	kg
Other metal	0.0E+00	kg
Plastic	7.4E+00	kg
Rubber	2.7E-01	kg
Glass	6.8E-01	kg
Paper and Wood	1.8E+00	kg
Circuit board	5.1E-01	kg
Othres	7.4E-01	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

-

- 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/>)