



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-21074E

Ecoleaf Environmental Labeling Program

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.

Wireless Mono Laser Printer

MFC-L6800DW



Functional unit

Per unit of product

System boundary

■ final products □ intermediate products

Material - Product - Distribution - Use - Disposition

Main specifications of the product

Model name: MFC-L6800DW

- Business Facsimile (EP method)
- Product weight: 17.2 kg Packaging etc.: 4.8kg
- Maximum paper size A4 (maximum 210 x 297 mm)
- Super G3 compatible up to 33.6kbps (automatic switching)
- Automatic duplex printing
- Wireless / 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/>

| | |
|-------------------------------------|---|
| Registration# | JR-AI-21074E |
| PCR number | PA-590000-AI-03 |
| PCR name | Imaging input and/or output equipment |
| Publication date | 9/24/2021 |
| Verification date | 9/13/2021 |
| Verification method | System certificaion |
| Verification# | JV-AI-21074 |
| Expiration date | 9/12/2026 |
| PCR review was conducted by: | |
| Approval date | 11/8/2019 |
| PCR review panel chair | Masayuki Kanzaki Sustainable Management Promotion Organization |

Third party verifier*

Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

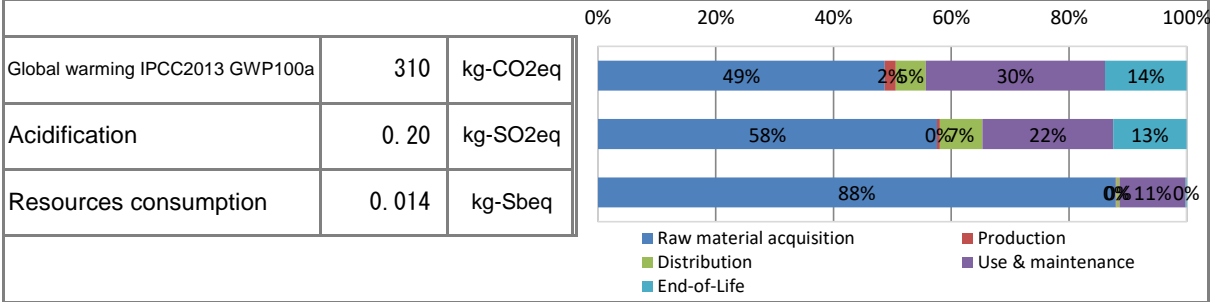
internal external

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

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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 ₂ eq | 3.1E+02 | 1.5E+02 | 5.8E+00 | 1.6E+01 | 9.5E+01 | 4.3E+01 |
| Acidification | | kg-SO ₂ eq | 2.0E-01 | 1.1E-01 | 9.2E-04 | 1.4E-02 | 4.4E-02 | 2.5E-02 |
| Resources consumption | | kg-Sbeq | 1.4E-02 | 1.2E-02 | 1.8E-05 | 6.8E-05 | 1.5E-03 | 2.7E-05 |

2. Life cycle inventory analysis (LCI)

| 項目 | Unit | 單位 |
|----------------------------------|---------|----------------|
| Non-renewable material resources | 1.3E+01 | kg |
| Non-renewable energy resources | 1.1E+02 | kg |
| Renewable material resources | 4.8E+01 | kg |
| Renewable primary energy | 8.0E+01 | MJ |
| Consumption of freshwater | 3.3E-01 | m ³ |

3. Material composition

| Material | Unit |
|----------------|------------|
| Steel | 4.0E+00 kg |
| SUS | 7.5E-02 kg |
| Aluminium | 1.0E-01 kg |
| Other metal | 0.0E+00 kg |
| Plastic | 1.2E+01 kg |
| Rubber | 1.8E-01 kg |
| Glass | 8.7E-01 kg |
| Paper and Wood | 2.6E+00 kg |
| Circuit board | 6.4E-01 kg |
| Othres | 1.3E+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, Product destination:European Union.



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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 EcoLeaf Environmental Labeling Program, 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/>)

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