



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-24036E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan

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

**brother**  
at your side

BROTHER INDUSTRIES, LTD.

4-in-1 Monochrome Laser Printer

**MFC-L2860DW** for Europe



### 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-L2860DW

- Multifunction device (EP method)
- Monochrome
- Printing speed: 34ppm (A4)
- Maximum document size: A4
- Print/Copy/Scan/FAX/Automatic duplex printing/  
Automatic document feeding
- Product weight: 11.5kg, Packaging etc.: 3.0kg
- Wired/Wireless LAN

\* This product is for Europe.

### Company Information

Brother Industries, Ltd.

[inml-ecoleaf-jimukyoku@brother.co.jp](mailto:inml-ecoleaf-jimukyoku@brother.co.jp)

<https://global.brother/en>

|                                     |   |
|-------------------------------------|---|
| Registration#                       | JR-AI-24036E  |
| PCR number                          | PA-590000-AI-08   |
| PCR name                            | Imaging input and/or output equipment                             |
| Publication date                    | 7/5/2024  |
| Verification date                   | 6/24/2024   |
| Verification method                 | System certification  |
| Verification#                       | JV-AI-24036E  |
| Expiration date                     | 6/23/2029   |
| <b>PCR review was conducted by:</b> |   |
| Approval date                       | 9/1/2023  |
| PCR review panel chair              | Masayuki Kanzaki<br>Sustainable Management Promotion Organization |

### Third party verifier\*

Yasuo Koseki

Independent verification of data & declaration in accordance with ISO14025

internal

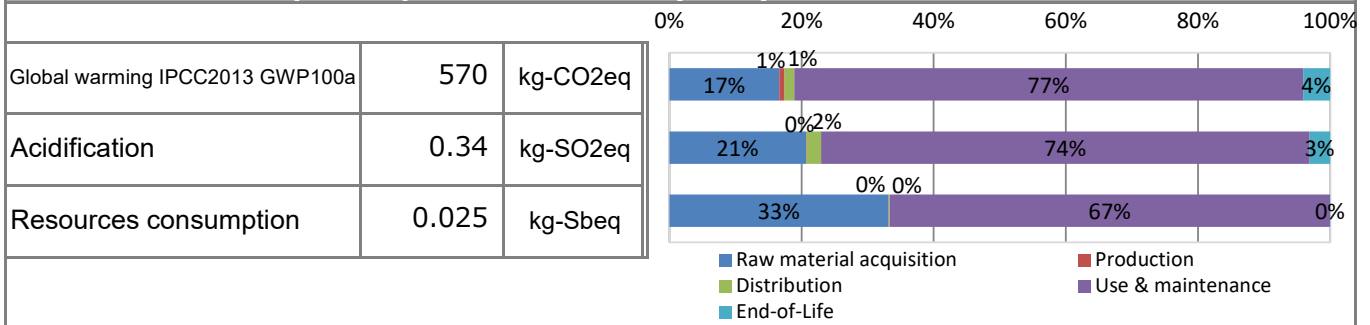
external

\* 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                 |         | LCIA Results             |            |              |                   |             |
|---------------------------------|-----------------------|---------|--------------------------|------------|--------------|-------------------|-------------|
|                                 | Unit                  | Total   | Raw material acquisition | Production | Distribution | Use & maintenance | End-of-Life |
| Global warming IPCC2013 GWP100a | kg-CO <sub>2</sub> eq | 5.7E+02 | 9.5E+01                  | 4.6E+00    | 8.4E+00      | 4.4E+02           | 2.3E+01     |
| Acidification                   | kg-SO <sub>2</sub> eq | 3.4E-01 | 7.1E-02                  | 3.3E-04    | 7.4E-03      | 2.5E-01           | 1.1E-02     |
| Resources consumption           | kg-Sbeq               | 2.5E-02 | 8.2E-03                  | 1.4E-05    | 3.6E-05      | 1.7E-02           | 6.0E-06     |

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

| Parameter                        | Value   | Unit           |
|----------------------------------|---------|----------------|
| Non-renewable material resources | 2.7E+01 | kg             |
| Non-renewable energy resources   | 8.3E+03 | MJ             |
| Renewable material resources     | 6.2E+01 | kg             |
| Renewable primary energy         | 1.7E+02 | MJ             |
| Consumption of freshwater        | 6.8E-01 | m <sup>3</sup> |

**3. Material composition**

| Material       | Value   | Unit |
|----------------|---------|------|
| Steel          | 2.5E+00 | kg   |
| SUS            | 6.4E-02 | kg   |
| Aluminium      | 7.5E-02 | kg   |
| Other metal    | 0.0E+00 | kg   |
| Plastic        | 7.3E+00 | kg   |
| Rubber         | 1.8E-01 | kg   |
| Glass          | 6.7E-01 | kg   |
| Paper and Wood | 2.5E+00 | kg   |
| Circuit board  | 4.3E-01 | kg   |
| Othres         | 7.7E-01 | kg   |

**5. Additional explanation**

Calculation method for usage stage (scenario) : Multifunction device(EP method), Expected use period: 5 years, Assumed usage: 172,800 sheets, Print measuring method (pattern): ISO/IEC 19798, Printing paper is not included in the environmental impact, The applied Energy Star program version is 3.0, This product is for Europe.

**6-1. Supplementary environmental information**

This product and main components are produced in 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/>)