



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23304E

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 Inkjet Printer

MFC-J5955DW 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-J5955DW
- Facsimile (business model)
 - Recording method: IJ method
 - Maximum recording size: A3
 - Maximum document size: A4
 - Super G3
 - Product weight: 19.7kg, Packaging etc.: 4.3kg
 - Automatic duplex printing
 - Wired/Wireless LAN

* This product is for Europe.

Company Information

Brother Industries, Ltd.
TEL: 81-52-824-2511 (Representative)
<https://www.brother.eu/en>

| | |
|----------------------------|---------------------------------------|
| Registration# | JR-AI-23304E |
| PCR number | PA-590000-AI-08 |
| PCR name | Imaging input and/or output equipment |
| Publication date | 3/15/2024 |
| Verification date | 3/4/2024 |
| Verification method | System certificaion |
| Verification# | JV-AI-23304E |
| Expiration date | 3/3/2029 |

PCR review was conducted by:

| | |
|------------------------|---|
| Approval date | 9/1/2023 |
| PCR review panel chair | Masayuki Kanzaki Sustainable Management Promotion Organization |

Third party verifier*

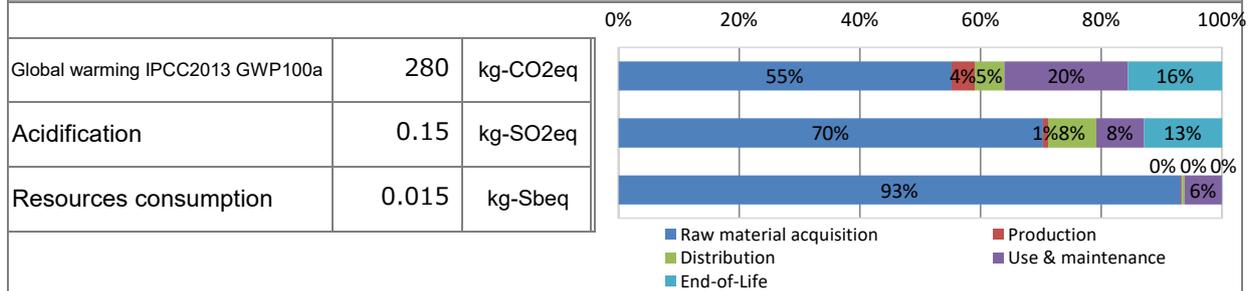
Yasuo Koseki

Independent verification of data & declaration in accordance with ISO14025

internal external

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

Registration number : JR-AI-23304E

**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 | 2.8E+02 | 1.6E+02 | 1.1E+01 | 1.4E+01 | 5.8E+01 | 4.4E+01 |
| Acidification | | kg-SO ₂ eq | 1.5E-01 | 1.1E-01 | 1.3E-03 | 1.2E-02 | 1.2E-02 | 2.0E-02 |
| Resources consumption | | kg-Sbeq | 1.5E-02 | 1.4E-02 | 3.0E-05 | 5.9E-05 | 9.4E-04 | 1.0E-05 |

2. Life cycle inventory analysis (LCI)

| Parameter | Unit | Value |
|----------------------------------|----------------|---------|
| Non-renewable material resources | kg | 1.1E+01 |
| Non-renewable energy resources | MJ | 4.2E+03 |
| Renewable material resources | kg | 2.9E+01 |
| Renewable primary energy | MJ | 1.6E+02 |
| Consumption of freshwater | m ³ | 2.6E-01 |

3. Material composition

| Material | Unit | Value |
|----------------|------|---------|
| Steel | kg | 3.7E+00 |
| SUS | kg | 3.5E-01 |
| Aluminium | kg | 1.3E-02 |
| Other metal | kg | 5.6E-06 |
| Plastic | kg | 1.4E+01 |
| Rubber | kg | 1.3E-01 |
| Glass | kg | 7.0E-01 |
| Paper and Wood | kg | 3.3E+00 |
| Circuit board | kg | 8.3E-01 |
| Othres | kg | 1.2E+00 |

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: ITU-T No.1 chart, Printing paper is not included in the environmental impact, This product is for Europe.

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/>)