



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23309E

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.

Inkjet All-in-One Printer

MFC-J1800DW for North America



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-J1800DW

- Facsimile (personal model)
- Recording method: IJ method
- Maximum Recording size: A4, Letter
- Maximum document size: A4, Letter
- G3
- Product weight: 7.7kg Packaging etc.: 1.3kg
- Automatic duplex printing
- Wireless LAN
- Automatic paper cutter

* This product is for North America.

Company Information

Brother Industries, Ltd.

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

FAX: 81-52-821-5177

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

Registration#	JR-AI-23309E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	12/13/2023
Verification date	11/27/2023
Verification method	System certificaion
Verification#	JV-AI-23309E
Expiration date	11/26/2028
PCR review was conducted by:	
Approval date	09/01/2023
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

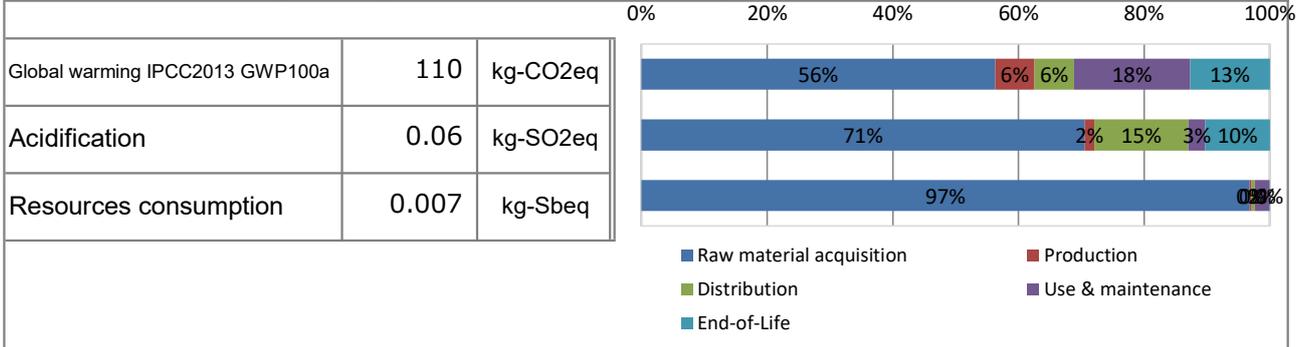
external

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

Registration number : JR-AI-23309E



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	1.1E+02	6.3E+01	7.0E+00	7.1E+00	2.1E+01	1.4E+01
Acidification		kg-SO ₂ eq	6.3E-02	4.5E-02	9.8E-04	9.5E-03	1.7E-03	6.5E-03
Resources consumption		kg-Sbeq	6.5E-03	6.3E-03	2.0E-05	3.0E-05	1.5E-04	3.7E-06

2. Life cycle inventory analysis (LCI)

Parameter	Value	Unit
Non-renewable material resources	6.0E+00	kg
Non-renewable energy resources	1.7E+03	MJ
Renewable material resources	9.8E+00	kg
Renewable primary energy	9.4E+01	MJ
Consumption of freshwater	8.5E-02	m ³

3. Material composition

Material	Value	Unit
Steel	1.8E+00	kg
SUS	7.5E-02	kg
Aluminium	7.2E-03	kg
Other metal	2.2E-03	kg
Plastic	4.5E+00	kg
Rubber	3.8E-02	kg
Glass	6.3E-01	kg
Paper and Wood	9.1E-01	kg
Circuit board	3.6E-01	kg
Othres	6.4E-01	kg

5. Additional explanation

Calculation method for usage stage (Scenario) :

Facsimile (personal model), Expected use period: 5 years, Transmission / reception: 900 each, Use pattern when measuring power: ITU-T No.1 chart, Printing paper is not included in the environmental impact, This product is for North America.

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/>)