



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-24034E

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.

Monochrome Laser Printer

HL-L2447DW 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: HL-L2447DW

- Printer (EP method)
- Monochrome
- Printing Speed: 32ppm (A4)
- Maximum document size: A4
- Print/Automatic duplex printing
- Product weight: 7.0kg Packaging etc.: 1.3kg
- Wired/Wireless LAN

* This product is for Europe.

Company Information

Brother Industries, Ltd.

inml-ecoleaf-jimukyoku@brother.co.jp

<https://global.brother/en>

Registration#	JR-AI-24034E
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-24034E
Expiration date	6/23/2029
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

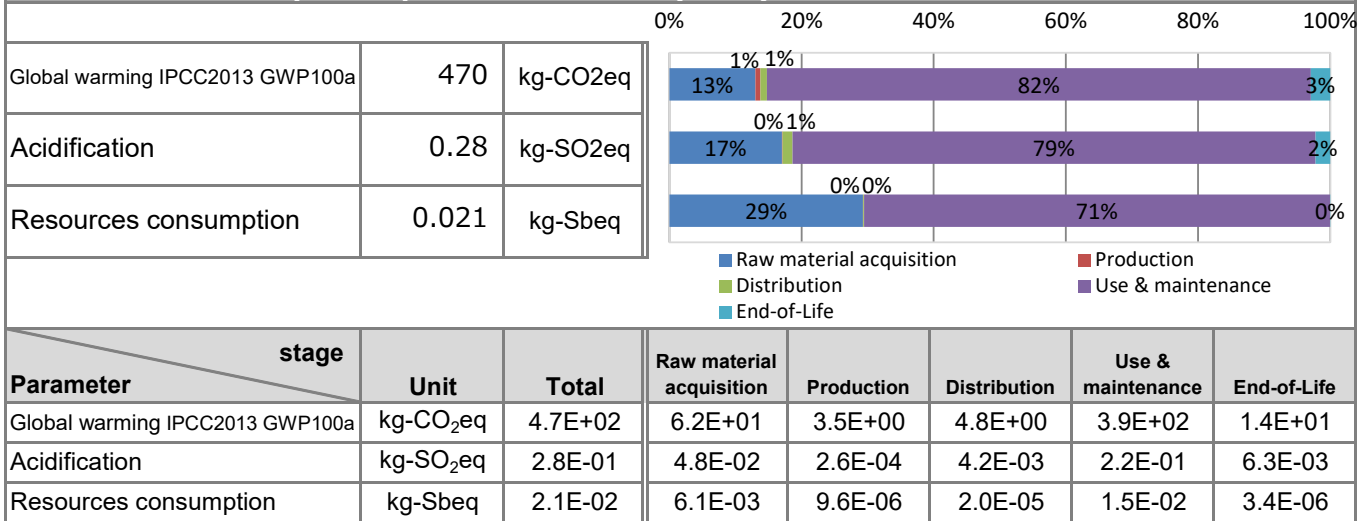
external

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

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1. Results of life cycle impact assessment (LCIA)



2. Life cycle inventory analysis (LCI)

Parameter	Unit	Total
Non-renewable material resources	kg	2.2E+01
Non-renewable energy resources	MJ	6.9E+03
Renewable material resources	kg	5.1E+01
Renewable primary energy	MJ	1.4E+02
Consumption of freshwater	m ³	5.8E-01

3. Material composition

Material	Unit
Steel	1.7E+00 kg
SUS	4.5E-02 kg
Aluminium	7.5E-02 kg
Other metal	0.0E+00 kg
Plastic	4.3E+00 kg
Rubber	1.8E-01 kg
Glass	3.1E-02 kg
Paper and Wood	1.1E+00 kg
Circuit board	3.0E-01 kg
Othres	6.1E-01 kg

5. Additional explanation

Calculation method for usage stage (scenario) : Printer (EP method), Expected use period: 5 years, Assumed usage: 153,600 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/>)