



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-24412E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization
14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan

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



Monochrome Laser Printer

HL-L2445DW for Europe

BROTHER INDUSTRIES, LTD.



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-L2445DW

- Printer (EP method)
- Monochrome
- Printing Speed: 32ppm (A4)
- Maximum paper 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\(at\)brother.co.jp](mailto:inml-ecoleaf-jimukyoku(at)brother.co.jp)

<https://global.brother/en>

Registration#	JR-AI-24412E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	3/14/2025
Verification date	2/27/2025
Verification method	System certificaion
Verification#	JV-AI-24412E
Expiration date	2/26/2030
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

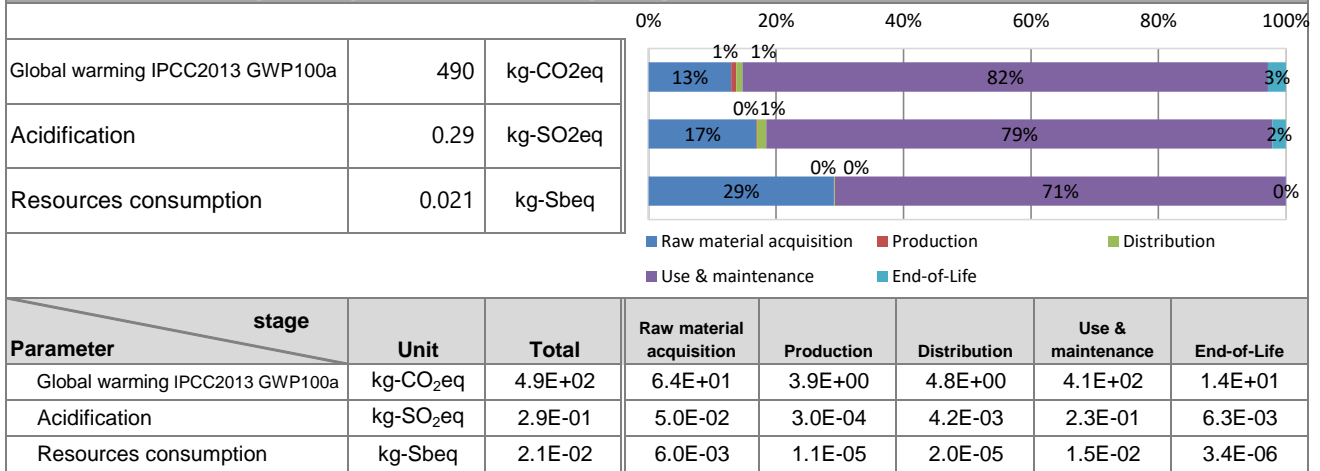
internal external

*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	Value	Unit
Non-renewable material resources	2.2E+01	kg
Non-renewable energy resources	7.2E+03	MJ
Renewable material resources	5.3E+01	kg
Renewable primary energy	1.5E+02	MJ
Consumption of freshwater	6.0E-01	m ³

3. Material composition

Material	Value	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	3.3E-01	kg
Othres	6.0E-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 v1.18 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/>)