



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-21077E

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

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

brother
at your side

BROTHER INDUSTRIES, LTD.

Wireless Colour Laser +LCD

HL-L9310CDW



Functional unit

Per unit of product

System boundary

final products intermediate products

Material - Product - Distribution - Use - Disposition

Main specifications of the product

Model name: HL-L9310CDW

- Printer (EP method)
- Colour
- Product weight: 22.1kg Packaging etc.: 4.3kg
- Printing Speed: 31ppm (A4)
- Automatic duplex printing
- Wireless / wired LAN #

* This product is for European Union.

Company Information

Brother Industries, Ltd.

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

FAX: 81-52-824-5177

<https://www.brother.eu/>

Registration#	JR-AI-21077E
PCR number	PA-590000-AI-03
PCR name	4.33632E-05
Publication date	9/24/2021
Verification date	9/13/2021
Verification method	System certificaion
Verification#	JV-AI-21077
Expiration date	9/12/2026
PCR review was conducted by:	
Approval date	11/8/2019
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

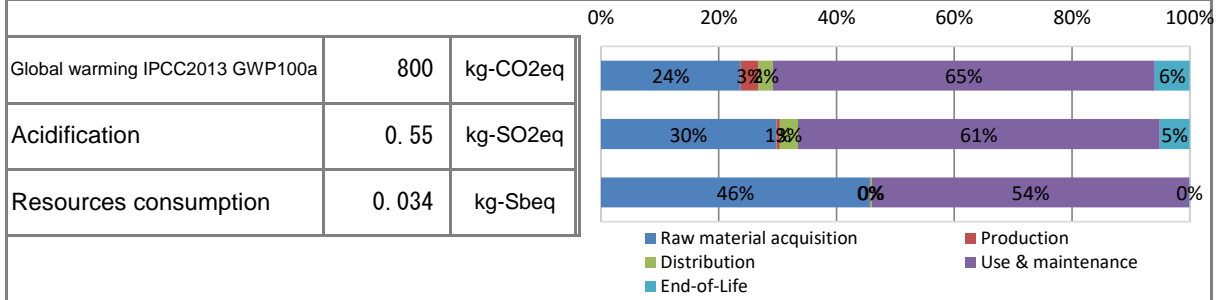
Wataru Kawamura

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	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a		kg-CO ₂ eq	8.0E+02	1.9E+02	2.4E+01	1.9E+01	5.2E+02	4.8E+01
Acidification		kg-SO ₂ eq	5.5E-01	1.6E-01	3.3E-03	1.7E-02	3.4E-01	2.8E-02
Resources consumption		kg-Sbeq	3.4E-02	1.6E-02	4.3E-05	8.1E-05	1.8E-02	3.2E-05

2. Life cycle inventory analysis (LCI)

項目	Unit	単位
Non-renewable material resources	2.9E+01	kg
Non-renewable energy resources	2.8E+02	kg
Renewable material resources	9.9E+01	kg
Renewable primary energy	1.9E+02	MJ
Consumption of freshwater	7.9E-01	m ³

3. Material composition

Material	Unit	Unit
Steel	6.7E+00	kg
SUS	2.5E-01	kg
Aluminium	4.4E-01	kg
Other metal	3.0E-03	kg
Plastic	1.3E+01	kg
Rubber	4.7E-01	kg
Glass	2.9E-01	kg
Paper and Wood	3.3E+00	kg
Circuit board	8.6E-01	kg
Othres	1.2E+00	kg

5. Additional explanation

Calculation method for usage stage (scenario) : Printer (EP), Expected use period: 5 years, Assumed usage: 139,500 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, Product destination:European Union.



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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 EcoLeaf Environmental Labeling Program, 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/>)

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