



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-21112E

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.

Compact Color Inkjet All-in-One
MFC-J6555DW



Functional unit

Per unit of product

System boundary

final products intermediate products

Material - Production - Distribution - Use - End-of-Life

Main specifications of the product

Model name: MFC-J6555DW

- Business Facsimile (Color IJ method)
- Product weight: 19.0kg Packaging etc.: 3.4kg
- Maximum paper size (maximum 431.8 x 297 mm)
- Super G3 compatible
- Automatic duplex printing
- Wireless / Wired LAN

* This product is for North America.

Company Information

Brother Industries, Ltd.

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

FAX: 81-52-824-5177

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

Registration#	JR-AI-21112E
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	3/4/2022
Verification date	2/18/2022
Verification method	System certificaion
Verification#	JR-AI-21112E
Expiration date	2/17/2027
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

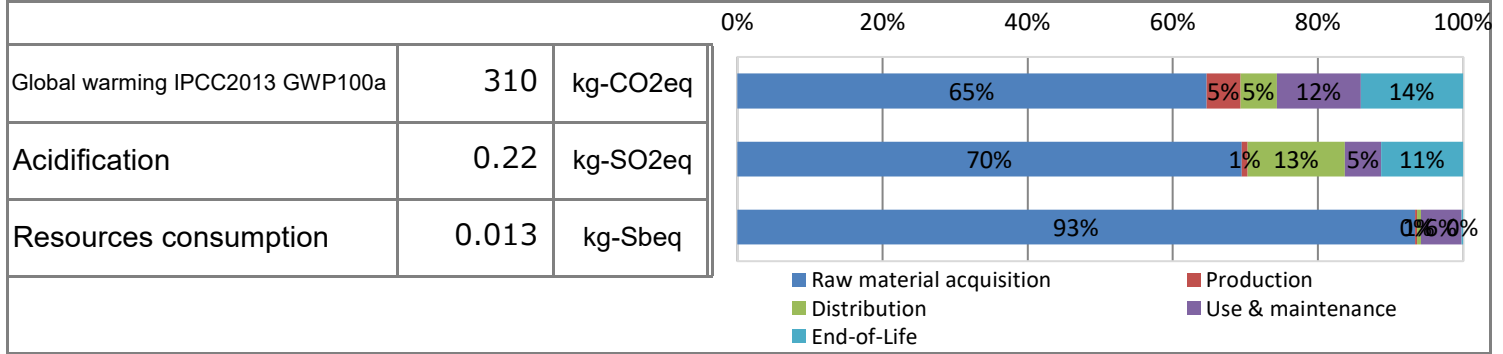
internal external

*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	3.1E+02	2.0E+02	1.5E+01	1.6E+01	3.6E+01	4.4E+01
Acidification		kg-SO ₂ eq	2.2E-01	1.6E-01	1.8E-03	3.0E-02	1.1E-02	2.5E-02
Resources consumption		kg-Sbeq	1.3E-02	1.2E-02	4.0E-05	6.5E-05	7.3E-04	2.7E-05

2. Life cycle inventory analysis (LCI)

項目	Value	單位
Non-renewable material resources	3.2E+01	kg
Non-renewable energy resources	1.1E+02	kg
Renewable material resources	2.8E+01	kg
Renewable primary energy	2.2E+02	MJ
Consumption of freshwater	2.8E-01	m ³

3. Material composition

Material	Value	Unit
Steel	3.5E+00	kg
SUS	8.2E-02	kg
Aluminium	1.2E-02	kg
Other metal	5.4E-06	kg
Plastic	1.3E+01	kg
Rubber	5.1E-02	kg
Glass	1.2E+00	kg
Paper and Wood	2.4E+00	kg
Circuit board	1.1E+00	kg
Othres	1.3E+00	kg



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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: ITUT 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 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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