



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-21110E

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-J5855DW XL



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-J5855DW XL

- Business Facsimile (Color IJ method)
- Product weight: 16.2kg Packaging etc.: 3.1kg
- Maximum paper size (maximum 215.9 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-21110E
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 certifaicon
Verification#	JV-AI-21110E
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

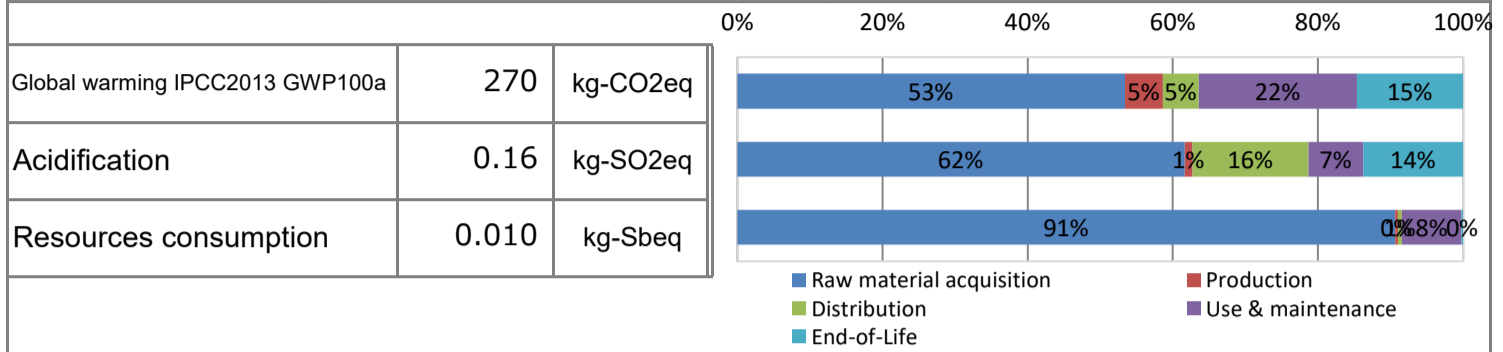
internal external

*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	2.7E+02	1.5E+02	1.4E+01	1.3E+01	5.9E+01	4.0E+01
Acidification		kg-SO ₂ eq	1.6E-01	1.0E-01	1.8E-03	2.6E-02	1.2E-02	2.2E-02
Resources consumption		kg-Sbeq	1.0E-02	9.4E-03	3.9E-05	5.7E-05	8.5E-04	2.4E-05

2. Life cycle inventory analysis (LCI)

項目	Unit	単位
Non-renewable material resources	1.0E+01	kg
Non-renewable energy resources	9.7E+01	kg
Renewable material resources	2.4E+01	kg
Renewable primary energy	2.1E+02	MJ
Consumption of freshwater	2.2E-01	m ³

3. Material composition

Material	Unit
Steel	3.0E+00 kg
SUS	8.2E-02 kg
Aluminium	1.2E-02 kg
Other metal	5.6E-06 kg
Plastic	1.1E+01 kg
Rubber	5.0E-02 kg
Glass	6.6E-01 kg
Paper and Wood	2.0E+00 kg
Circuit board	9.2E-01 kg
Othres	1.2E+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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