



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-20116E-A

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

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

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



Wireless Colour Laser Printer  
**MFC-L8690CDW**



### Functional unit

Per unit of product

### System boundary

- final products
- intermediate products

Material - Product - Distribution - Use - Disposition

### Main specifications of the product

Model name: MFC-L8690CDW

- Business Facsimile (EP method)
- Product weight: 29.3 kg Packaging etc. :5.3kg
- Maximum paper size A4 (maximum 210 x 297 mm)
- Super G3 compatible up to 33.6kbps (automatic switching)
- 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-20116E-A
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	2/26/2021
Verification date	2/18/2021
Verification method	System certificaion
Verification#	JV-AI-20116
Expiration date	2/17/2026
<b>PCR review was conducted by:</b>	
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

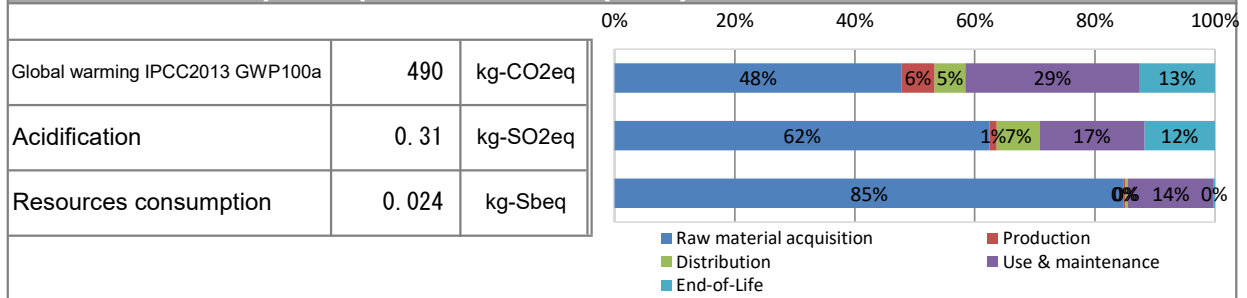
internal  external

\*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 <sub>2</sub> eq	4.9E+02	2.4E+02	2.7E+01	2.5E+01	1.4E+02	6.2E+01
Acidification		kg-SO <sub>2</sub> eq	3.1E-01	1.9E-01	3.6E-03	2.2E-02	5.4E-02	3.6E-02
Resources consumption		kg-Sbeq	2.4E-02	2.0E-02	5.5E-05	1.1E-04	3.4E-03	4.2E-05

### 2. Life cycle inventory analysis (LCI)

項目	Unit	単位
Non-renewable material resources	2.2E+01	kg
Non-renewable energy resources	1.8E+02	kg
Renewable material resources	6.2E+01	kg
Renewable primary energy	1.2E+02	MJ
Consumption of freshwater	4.6E-01	m <sup>3</sup>

### 3. Material composition

Material	Unit
Steel	8.5E+00 kg
SUS	2.6E-01 kg
Aluminium	4.3E-01 kg
Other metal	4.1E-03 kg
Plastic	1.7E+01 kg
Rubber	4.5E-01 kg
Glass	1.1E+00 kg
Paper and Wood	4.3E+00 kg
Circuit board	1.0E+00 kg
Othres	1.4E+00 kg

### 4. Waste to disposal

Parameter	Unit
Treated MSW for landfill	0.0E+00 kg
Treated industrial waste for landfill	3.4E+00 kg

\*Data derived from LCA and not assigned to the impact categories of LCIA

### 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.



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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

7/27/2021 Modified freshwater consumption figures on LCI.

- 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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