



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23066E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization
14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan
<https://ecoleaf-label.jp/>

brother
at your side

BROTHER INDUSTRIES, LTD.

Inkjet Printer

HL-JF1 for USA



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-JF1

- Printer(IJ method)
- Product weight: 21.4kg Packaging etc.: 4.5kg
- Maximum paper size : A4、 Letter、 Roll
- Automatic duplex printing
- Wireless / Wired LAN

* This product is for USA.

Company Information

Brother Industries, Ltd.
TEL: 81-52-824-2511 (Representative)
FAX: 81-52-824-5177
<https://www.brother-usa.com/>

Registration#	JR-AI-23066E
PCR number	PA-590000-AI-05
PCR name	Imaging input and/or output equipment
Publication date	4/20/2023
Verification date	3/31/2023
Verification method	System certificaion
Verification#	JV-AI-23066E
Expiration date	3/30/2028
PCR review was conducted by:	
Approval date	01/06/2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

Yasuo Koseki

Independent verification of data & declaration in accordance with ISO14025

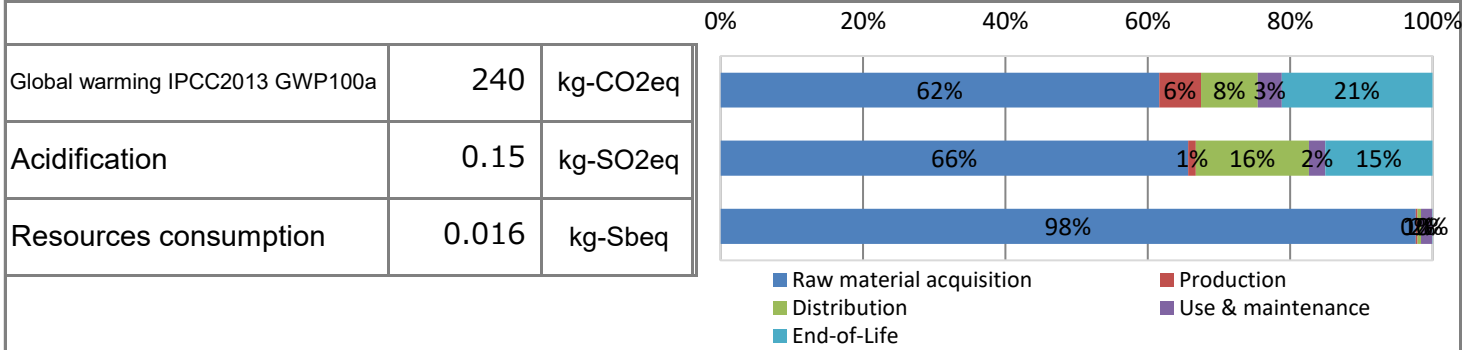
internal external

*Auditor's name is stated if system certification has been performed.

Registration number : JR-AI-23066E



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	2.4E+02	1.5E+02	1.4E+01	1.9E+01	8.1E+00	5.1E+01
Acidification		kg-SO ₂ eq	1.5E-01	9.9E-02	1.6E-03	2.4E-02	3.5E-03	2.3E-02
Resources consumption		kg-Sbeq	1.6E-02	1.6E-02	3.8E-05	8.2E-05	2.5E-04	1.1E-05

2. Life cycle inventory analysis (LCI)

Parameter	Unit
Non-renewable material resources	9.1E+00 kg
Non-renewable energy resources	3.5E+03 MJ
Renewable material resources	3.3E+01 kg
Renewable primary energy	1.8E+02 MJ
Consumption of freshwater	2.5E-01 m ³

3. Material composition

Material	Unit
Steel	4.2E+00 kg
SUS	3.9E-01 kg
Aluminium	1.3E-02 kg
Other metal	2.2E-03 kg
Plastic	1.6E+01 kg
Rubber	4.1E-02 kg
Glass	0.0E+00 kg
Paper and Wood	3.2E+00 kg
Circuit board	5.5E-01 kg
Othres	1.4E+00 kg

5. Additional explanation

Calculation method for usage stage (scenario) : Printer (IJ), Expected use period: 3 years, Assumed usage: 7,200 sheets, Printing paper is not included in the environmental impact, This product is for USA.

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 Japan EPD Program by SuMPO, JLCA data v1.10 are used.

8. Remarks

- 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/>)