



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-24621E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan

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



Color MFD

TASKalfa MZ4001ci

KYOCERA Document Solutions Inc.

The impact of following options is not included.

ADF

Paper Feeder (× 2)

### 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 : Color MFD

TASKalfa MZ4001ci

Making Technology : Electrophotographic Printer (EP)

Printing Speed:

Monochrome 40 pages per minute in A4

Color 40 pages per minute in A4

Printing paper : Maximum A3

Duplex function: Standard    ADF: Option

Copy / Print / Scan / FAX    (FAX: Option)

### Company Information

KYOCERA Document Solutions Inc.

Quality Assurance Division Reliability Assurance Section 21

TEL : 06-6764-3764

<https://www.kyoceradocumentsolutions.co.jp>

|                              |   |
|------------------------------|---|
| Registration#                | JR-AI-24621E  |
| PCR number                   | PA-590000-AI-08   |
| PCR name                     | Imaging input and/or output equipment                             |
| Publication date             | 3/31/2025   |
| Verification date            | 3/12/2025   |
| Verification method          | System certification  |
| Verification#                | JV-AI-24621E  |
| Expiration date              | 3/11/2030   |
| PCR review was conducted by: |   |
| Approval date                | 9/1/2023  |
| PCR review panel chair       | Masayuki Kanzaki<br>Sustainable Management Promotion Organization |

### Third party verifier\*

Hiroyuki Uchida

Independent verification of data & declaration in accordance with ISO14025

internal

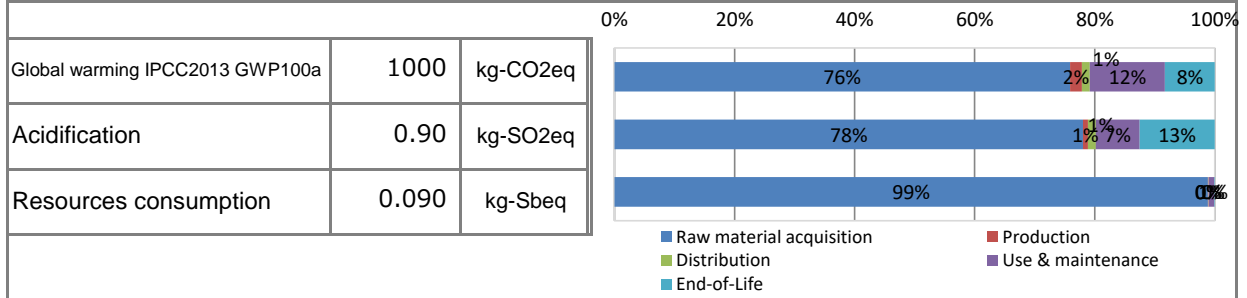
external

\*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 | 1.0E+03 | 7.9E+02                  | 2.1E+01    | 1.4E+01      | 1.3E+02           | 8.7E+01     |
| Acidification                   |       | kg-SO <sub>2</sub> eq | 9.0E-01 | 7.0E-01                  | 7.3E-03    | 1.2E-02      | 6.6E-02           | 1.1E-01     |
| Resources consumption           |       | kg-Sbeq               | 9.0E-02 | 8.9E-02                  | 8.8E-05    | 5.8E-05      | 8.1E-04           | 9.7E-05     |

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

| Parameter                        | Unit | Value   |
|----------------------------------|------|---------|
| Non-renewable material resources | kg   | 8.6E+01 |
| Non-renewable energy resources   | MJ   | 1.7E+04 |
| Renewable material resources     | kg   | 1.9E+02 |
| Renewable primary energy         | MJ   | 2.9E+02 |

### 3. Material composition

| Material                | Unit | Value   |
|-------------------------|------|---------|
| Steel                   | kg   | 4.4E+01 |
| SUS                     | kg   | 2.0E+00 |
| Cu                      | kg   | 1.9E+00 |
| Al                      | kg   | 1.2E+00 |
| Other metals            | kg   | 3.1E-02 |
| Glass                   | kg   | 2.4E+00 |
| Thermoplastics resin    | kg   | 3.9E+01 |
| Thermosetting resin     | kg   | 1.2E+00 |
| Rubber                  | kg   | 5.9E-02 |
| Paper                   | kg   | 2.4E+01 |
| Assembled circuit board | kg   | 3.4E+00 |
| Medium-sized motor      | kg   | 3.2E+00 |

### 5. Additional explanation

- Product destination: Japan
- Calculation method of use stage (scenario)
  - ① Expected usage period: five years
  - ② Estimated number of sheets used: Monochrome 120,000 Color 120,000
  - ③ The impact of printing paper is not included
- Products selected in the scenario used for inventory calculation : Copier, Printer and Multifunction device (EP)
- Conformed to the International ENERGY STAR® Ver3.0 Program
- Consumables will be shipped directly from the factory to the country of sale separately from the product body and all of them are accounted for in the use and maintenance



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#### 6-1. Supplementary environmental information

- Conformed to the International ENERGY STAR® Program
- Manufactured at ISO14001 certified factories.
- Halogenated flame retardants are not used in Plastic housing and outer package.

#### 7. Assumptions of secondary data used

IDEA v2.1.3 and Japan EPD Program by SuMPO Registry data v1.17

#### 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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