



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-24628E

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

MZ2501ci (US)

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 MZ2501ci(US)

Making Technology : Electrophotographic Printer (EP)

Printing Speed:

Monochrome 25 pages per minute in A4

Color 25 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-24628E  |
| 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-24628E  |
| 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

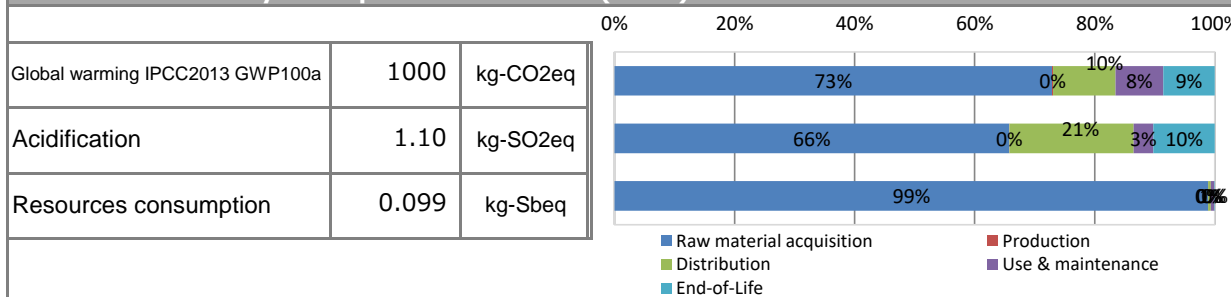
external

\*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 | 7.3E+02                  | 1.8E+00    | 1.0E+02      | 7.9E+01           | 8.6E+01     |
| Acidification                   |       | kg-SO <sub>2</sub> eq | 1.1E+00 | 7.0E-01                  | 3.1E-04    | 2.2E-01      | 3.5E-02           | 1.1E-01     |
| Resources consumption           |       | kg-Sbeq               | 9.9E-02 | 9.8E-02                  | 3.9E-06    | 4.4E-04      | 5.6E-04           | 8.7E-05     |

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

| Parameter                        | Value   | Unit |
|----------------------------------|---------|------|
| Non-renewable material resources | 7.8E+01 | kg   |
| Non-renewable energy resources   | 1.6E+04 | MJ   |
| Renewable material resources     | 1.5E+02 | kg   |
| Renewable primary energy         | 2.4E+02 | MJ   |

**3. Material composition**

| Material                | Value   | Unit |
|-------------------------|---------|------|
| Steel                   | 4.1E+01 | kg   |
| SUS                     | 2.6E+00 | kg   |
| Cu                      | 1.8E+00 | kg   |
| Al                      | 1.9E+00 | kg   |
| Other metals            | 3.0E-02 | kg   |
| Glass                   | 2.4E+00 | kg   |
| Thermoplastics resin    | 3.8E+01 | kg   |
| Thermosetting resin     | 1.1E+00 | kg   |
| Rubber                  | 5.9E-02 | kg   |
| Paper                   | 1.2E+01 | kg   |
| Wood                    | 1.1E+01 | kg   |
| Assembled circuit board | 3.0E+00 | kg   |
| Medium-sized motor      | 2.6E+00 | kg   |

**5. Additional explanation**

- Product destination: North America
- Calculation method of use stage (scenario)
  - ① Expected usage period: five years
  - ② Estimated number of sheets used: Monochrome 45,000 Color 45,000
  - 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® Ver3.2 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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