



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23331E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

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

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



# Color Printer ECOSYS PA4000cx(US)

KYOCERA Document Solutions Inc.

## 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 Printer

ECOSYS PA4000cx(US)

Making Technology : Electrophotographic Printer (EP)

Printng Speed: Color 40 pages per minute in A4

Monochrome 40 pages per minute in A4

Printing paper : Maximum Folio (Legal)

Duplex function: Standard

## Company Information

KYOCERA Document Solutions Inc.

Quality Assurance Division Reliability Assurance Section 11

TEL : 06-6764-3764

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

Registration#	JR-AI-23331E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	10/30/2023
Verification date	10/16/2023
Verification method	System certificaion
Verification#	JV-AI-23331E
Expiration date	10/15/2028

### PCR review was conducted by:

Approval date	9/1/2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

### Third party verifier\*

Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

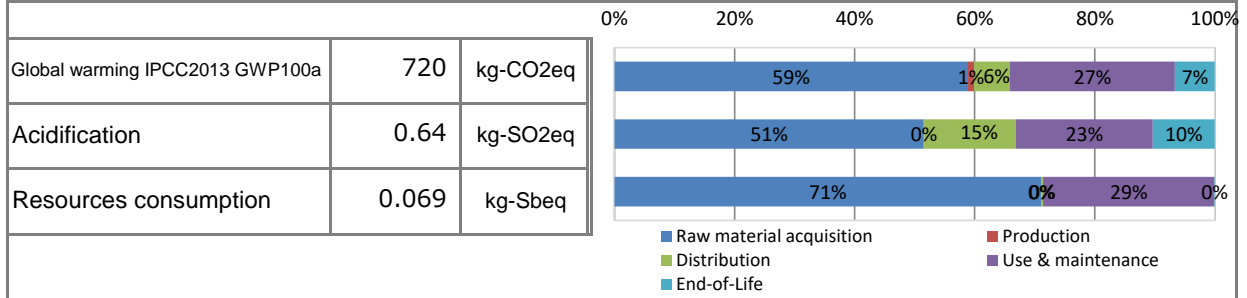
internal     external

\*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	7.2E+02	4.2E+02	7.2E+00	4.3E+01	2.0E+02	4.8E+01
Acidification		kg-SO <sub>2</sub> eq	6.4E-01	3.3E-01	7.1E-04	9.8E-02	1.5E-01	6.6E-02
Resources consumption		kg-Sbeq	6.9E-02	4.9E-02	1.9E-05	1.8E-04	2.0E-02	5.9E-05

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

Parameter	Unit
Non-renewable material resources	3.4E+01 kg
Non-renewable energy resources	1.1E+04 MJ
Renewable material resources	1.2E+02 kg
Renewable primary energy	2.2E+02 MJ

**3. Material composition**

Material	Unit
Steel	1.0E+01 kg
SUS	1.5E+00 kg
Cu	7.6E-01 kg
Al	1.8E-01 kg
Glass	2.2E-01 kg
Thermoplastics resin	1.6E+01 kg
Thermosetting resin	2.8E-01 kg
Rubber	4.2E-02 kg
Paper	8.3E+00 kg
Assembled circuit board	3.4E+00 kg
Medium-sized motor	1.6E+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 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® Ver3.2 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 v1.13

#### 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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