



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22211E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

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

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



# Color MFD ECOSYS MA2100cwfxfx(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 MFD

ECOSYS MA2100cwfxfx

Making Technology :Electrophotographic Printer (EP)

Printng Speed: Color 21 Pages per minute in A4

Monochrome 21 Pages per minute in A4

Prting paper :Maximum A4

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-22211E
PCR number	PA-590000-AI-04
PCR name	Imaging input and/or output equipment
Publication date	11/4/2022
Verification date	10/24/2022
Verification method	System certificaion
Verification#	JV-AI-22211E
Expiration date	10/23/2027
PCR review was conducted by:	
Approval date	4/1/2022
PCR review panel chair	Masayuki Kanzaki Sustanable Management Promotion Organizatic

## Third party verifier\*

Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

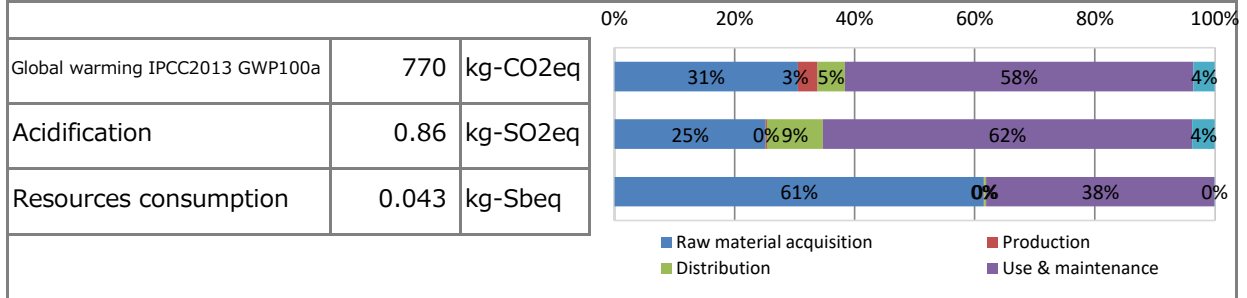
internal     external

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

Registration number : JR-AI-22211E



**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	7.7E+02	2.3E+02	2.5E+01	3.5E+01	4.5E+02	2.7E+01
Acidification		kg-SO <sub>2</sub> eq	8.6E-01	2.2E-01	1.8E-03	8.0E-02	5.3E-01	3.2E-02
Resources consumption		kg-Sbeq	4.3E-02	2.6E-02	3.6E-05	1.5E-04	1.6E-02	2.3E-05

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

Parameter	Value	Unit
Non-renewable material resources	2.3E+01	kg
Non-renewable energy resources	1.2E+04	MJ
Renewable material resources	8.2E+01	kg
Renewable primary energy	1.4E+02	MJ

**3. Material composition**

Material	Value	Unit
Steel	8.1E+00	kg
SUS	5.8E-01	kg
Cu	5.6E-01	kg
Al	4.3E-01	kg
Glass	8.5E-01	kg
Thermoplastics resin	1.5E+01	kg
Thermosetting resin	8.5E-02	kg
Rubber	2.9E-02	kg
Paper	6.6E+00	kg
Assembled circuit board	1.8E+00	kg
Medium-sized motor	7.7E-01	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:  
Color 31,500、Monochrome 31,500
  - ③ The impact of printing paper is not included
- Products selected in the scenario used for inventory calculation : 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



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22211E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

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

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

#### 6-1. Supplementary environmental information

- Conformed to the International ENERGY STAR® Ver3.0 Program
- Manufactured at ISO14001 certified factories.
- Halogenated flame retardants are not used in Plastic housing and outer package.

7

IDEA v2.1.3 and Japan EPD Program by SuMPO Registry data v1.07

#### 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/>)

Registration number : JR-AI-22211E