



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-21138E

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

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

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



Color MFD

TASKalfa 4054ci

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

TASKalfa 4054ci

Making Technology :Electrophotographic Printer (EP)

Printng Speed: Color 40 Pages per minute in A4

Monochrome 40 Pages per minute in A4

printing paper :Maximum A3

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-21138E
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	12/17/2021
Verification date	12/6/2021
Verification method	System certificaion
Verification#	JV-AI-21138E
Expiration date	12/5/2026
PCR review was conducted by:	
Approval date	11/8/2019
PCR review panel chair	Masayuki Kanzaki Sustanable Management Promotion Organizati

### Third party verifier\*

Wataru Kawamura

Independent verification of data & declaration in  
accordance with ISO14025

internal

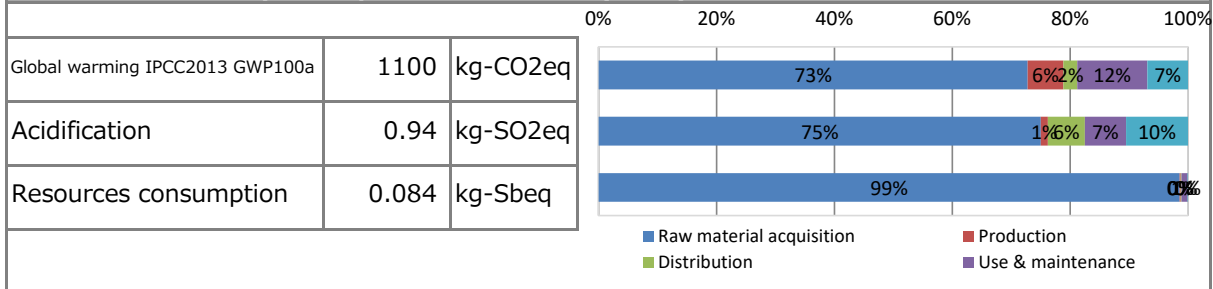
external

\*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	1.1E+03	7.9E+02	6.6E+01	2.5E+01	1.3E+02	7.4E+01
Acidification		kg-SO <sub>2</sub> eq	9.4E-01	7.0E-01	1.1E-02	5.9E-02	6.6E-02	9.8E-02
Resources consumption		kg-Sbeq	8.4E-02	8.3E-02	1.5E-04	1.1E-04	8.6E-04	7.1E-05

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

Parameter	Value	Unit
Non-renewable material resources	7.6E+01	kg
Non-renewable energy resources	1.7E+04	MJ
Renewable material resources	1.4E+02	kg
Renewable energy	3.2E+02	MJ

**3. Material composition**

Material	Value	Unit
Steel	3.7E+01	kg
SUS	1.7E+00	kg
Cu	1.9E+00	kg
Al	1.2E+00	kg
Other metals	3.1E-02	kg
Glass	2.3E+00	kg
Thermoplastics resin	3.8E+01	kg
Thermosetting resin	1.2E+00	kg
Rubber	6.0E-02	kg
Paper	2.4E+01	kg
Assembled circuit board	3.9E+00	kg
Medium-sized motor	3.2E+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:
    - Color 120,000, Monochrome 120,000
  - 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 phase.



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#### 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.

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IDEA v2.1.3 and Ecoleaf Environmental Labeling Program Registry data v1.1

#### 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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