**Functional unit**
Per unit of product

**System boundary**
- final products  □ intermediate products

Material - Product - Distribution - use - Disposition

**Main specifications of the product**
Model name: Xerox AltaLink C8155
- Color MFD (EP Type)
- Print Speed Color 55ppm
- Monochrome 55ppm (A4 LEF)
- Maximum Paper Size SRA3 (320x450mm)
- Capable of Print /Copy/Scan/FAX
- Automatic Duplex Printing

**Company Information**
Fuji Xerox Co., Ltd.
https://www.fujixerox.co.jp/
6-1 Minatomirai, Nishi-ku, Yokohama-shi, Kanagawa
TEL: +81-45-755-8638

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**EcoLeaf Type III Environmental Declaration (EPD)**
Registration number: JR-AI-20069E-A

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**Xerox AltaLink C8155**

Fuji Xerox Co., Ltd.

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**Registration number**: JR-AI-20069E-A

**PCR number**: PA-590000-AI-03

**PCR name**: Imaging input and/or output equipment

**Publication date**: 7/7/2020

**Verification date**: 1/8/2021

**Verification method**: System certification

**Verification#**: 2020-FX-EL-012-A

**Expiration date**: 1/7/2026

**PCR review was conducted by:**
- **Approval date**: 11/8/2019
- **PCR review panel chair**: Masayuki Kanzaki (Sustainable Management Promotion Organization)

**Third party verifier**
- **Kenichi Asakawa**

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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**Registration number**: JR-AI-20069E-A
1. Results of life cycle impact assessment (LCIA)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Stage</th>
<th>Unit</th>
<th>Raw material acquisition</th>
<th>Production</th>
<th>Distribution</th>
<th>Use &amp; maintenance</th>
<th>End-of-Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global warming IPCC2013 GWP100a</td>
<td>1800</td>
<td>kg-CO₂eq</td>
<td>1.1E+03</td>
<td>2.1E+01</td>
<td>1.5E+02</td>
<td>4.3E+02</td>
<td>1.2E+02</td>
</tr>
<tr>
<td>Acidification</td>
<td>1.7</td>
<td>kg-SO₂eq</td>
<td>8.6E-01</td>
<td>2.2E-03</td>
<td>3.6E-01</td>
<td>3.1E-01</td>
<td>1.4E-01</td>
</tr>
<tr>
<td>Resources consumption</td>
<td>0.31</td>
<td>kg-Sbeq</td>
<td>2.5E-01</td>
<td>3.3E-05</td>
<td>6.4E-04</td>
<td>5.7E-02</td>
<td>1.9E-04</td>
</tr>
</tbody>
</table>

2. Life cycle inventory analysis (LCI)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-renewable material resources</td>
<td>1.3E+02 kg</td>
</tr>
<tr>
<td>Renewable material resources</td>
<td>3.5E+02 kg</td>
</tr>
</tbody>
</table>

3. Material composition

<table>
<thead>
<tr>
<th>Material</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel</td>
<td>6.2E+01 kg</td>
</tr>
<tr>
<td>Plastic</td>
<td>4.2E+01 kg</td>
</tr>
<tr>
<td>SUS</td>
<td>1.0E+01 kg</td>
</tr>
<tr>
<td>Conversion parts</td>
<td>6.9E+00 kg</td>
</tr>
<tr>
<td>Circuit Board</td>
<td>5.5E+00 kg</td>
</tr>
<tr>
<td>Glass</td>
<td>1.9E+00 kg</td>
</tr>
<tr>
<td>Aluminium</td>
<td>8.3E-01 kg</td>
</tr>
<tr>
<td>Other metal</td>
<td>3.6E-01 kg</td>
</tr>
<tr>
<td>Rubber</td>
<td>1.6E-01 kg</td>
</tr>
<tr>
<td>Others</td>
<td>4.7E+00 kg</td>
</tr>
</tbody>
</table>

5. Additional explanation

- Product destination: North America
- Calculated by the standard Scenario for MFP (EP type).
- Printing paper is excluded from the use and maintenance stage.
- Electric power in the use and maintenance stage is evaluated using TEC value according to International ENERGY STAR program Version3.0 and the public electric-power-consumption-rate in the United States.
- Print volume is assumed 451,200 sheets.
1/4x32(job/day)x47(sheets)x5daysx4weeksx12monthsx5years=451,200
### EcoLeaf
Type III Environmental Declaration (EPD)
Registration number: JR-AI-20069E-A

<table>
<thead>
<tr>
<th>Registration number: JR-AI-20069E-A</th>
</tr>
</thead>
</table>

#### 6-1. Supplementary environmental information

ENERGY STAR® Ver.3.0 qualified.

#### 7. Assumptions of secondary data used

Inventory Database: IDEA v2.1.3 and registered data v1.07 of Ecoleaf Environmental Labeling Program are used.

Basic units used to calculate this product are listed in Appendix.

#### 8. Remarks

Revised on February 5th, 2021:
Re-verification was conducted due to change of a basic unit adopted for two items quantification.

Revised on March 9th, 2021:
Appendix is added, listing all the basic units used to calculate this product.

- 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-20069E-A
Appendix

The following list indicates all the basic units used to conduct LCA on this product.

**Raw material acquisition**

- acrylonitrile butadiene styrene resin
- polyamide resin
- aluminium sheet for general use
- polyimide
- polyacetal
- polyethylene terephthalate
- polycarbonate
- electrogalvanized steel sheet
- ordinary steel cold rolled steel sheet and strips
- rolled and drawn copper products
- stainless steels and heat resisting steels, 4 digit
- synthetic rubbers (including synthetic latex), 4 digit
- denatured polyphenylene oxide
- polypropylene
- anisotropic barium ferrite magnet, wet process
- polyurethane, flexible
- polystyrene
- polyethylene, high density (HDPE)
- polyphenylene sulfide
- iron and steel products which are not elsewhere classified
- miscellaneous industrial plastic products
- low density polyethylene
- plate glass, 4 digit
- optical glass materials (including ones for glasses)
- laminated springs
- wire springs
- bolts and nuts
- wood screws, machine screws and set screws
- midium motor
- assembled circuit board
- telecommunication cable
- radial ball bearing, except ones for bearing units
- unsaturated polyester resin
- injection molding
- machine press processing
- aluminium pipe
- polyamide resin
- radial ball bearing, except ones for bearing units
- machine press processing
- stainless steels and heat resisting steels, 4 digit
- laminated springs
- polypropylene
- polyurethane, flexible
- iron and steel products which are not elsewhere classified
- polyethylene terephthalate
- wood screws, machine screws and set screws
- telecommunication cable
- anisotropic barium ferrite magnet, wet process
- acrylonitrile butadiene styrene resin
- denatured polyphenylene oxide
- activated carbon
- acrylonitrile-styrene resin
- polyethylene, high density (HDPE)
- unsaturated polyester resin
- carbon black
- silica gel
- paraffin
- cyclic intermediates, synthetic dyes and organic pigments, 4 digit
- ferric oxide
- titanium oxide
- electricity, Japan, 2014FY
- energy, liquefied petroleum gas (LPG) combustion
- aluminium pipe
- energy, town gas 13A combustion
- corrugated board box
- packaging material, steel band etc.
- boards less than 7.5cm depth of minimum cross section, with more than 4 times width larger than depth
Production

electricity, PR of China, IEA, 2011
electricity, Japan, 2014FY
truck transportation, 10t truck, loading ratio default
ship transportation, container ship <4kTEU

Distribution

truck transportation, 10t truck, loading ratio default
ship transportation, container ship <4kTEU
truck transportation, 2t truck, loading ratio default
high degree of intermediate treatment of used OA equipment (decomposition and dissection ~ crush and separation)

Use & Maintenance

truck transportation, 2t truck, loading ratio default
volume reduction of used paper container, bale
high degree of intermediate treatment of used OA equipment (decomposition and dissection ~ crush and separation)
electricity, United States, IEA, 2011
polystyrene
polyethylene, high density (HDPE)
low density polyethylene
corrugated board box
Injection molding
acrylonitrile butadiene styrene resin
denatured polyphenylene oxide
polyethylene terephthalate
dyacetel
polypropylene
stainless steels and heat resisting steels, 4 digit
laminated springs
synthetic rubbers (including synthetic latex), 4 digit
wire springs
telecommunication cable
electrogalvanized sheet
polyurethane, flexible
wood screws, machine screws and set screws
radial ball bearing, except ones for bearing units
medium motor
machine press processing
denatured polyphenylene oxide
activated carbon
acrylonitrile-styrene resin
low density polyethylene
corrugated board box
electricity, PR of China, IEA, 2011
polypropylene
assembled circuit board
paper and machine-made Japanese paper, 4 digit
unsaturated polyester resin
carbon black
silica gel
paraffin
cyclic intermediates, synthetic dyes and organic pigments, 4 digit
ferric oxide (red oxide)
titanium oxide
electricity, Japan, 2014FY
energy, liquefied petroleum gas (LPG) combustion
denatured polyphenylene oxide
polyurethane, flexible
aluminium pipe
stainless steels and heat resisting steels, 4 digit
ordinary steel cold rolled steel sheet and strips
polyethylene terephthalate
radial ball bearing, except ones for bearing units
wood screws, machine screws and set screws
machine press processing
energy, town gas 13A combustion
electricity, PR of China, IEA, 2011
polystyrene
boards less than 7.5cm depth of minimum cross section, with more than 4 times width larger than depth
flexible plastic film for packaging, less than 0.2mm thickness
truck transportation, 2t truck, loading ratio default
truck transportation, 10t truck, loading ratio default
ship transportation, container ship <4kTEU
rail transportation, freight
high degree of intermediate treatment of used OA equipment (decomposition and dissection ~ crush and separation)
volume reduction of used paper container, bale
incineration, industrial waste, waste plastics
incineration, industrial waste

End-of-Life

truck transportation, 2t truck, loading ratio default
high degree of intermediate treatment of used OA equipment (decomposition and dissection ~ crush and separation)
incineration, industrial waste, waste plastics
incineration, industrial waste

For the further details of the source of the basic unit, refer to the below list posted by Ecoleaf Environmental Labelling Program at: https://ecoleaf-label.jp/entry/application_form.html#FB-01