



# Carbon Footprint of Products

## CFP Declaration

Registration number : JR-AV-22002C-B

## Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

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

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

CITIZEN WATCH CO.,LTD

CITIZEN L (bezel-less type10)



**EW5593-81D**

### Functional unit

1 product

### System boundary

final products       intermediate products

Raw material acquisition stage      Use & maintenance stage

Production stage    Distribution stage    End-of-Life stage

### Main specifications of the product

Type:EW5593-81D

- Watch case material: Stainless steel
- Band material:stainless steel
- Watch glass: Sapphire glass
- Photovoltaic power generation driven for about 6 months when fully charged
- Accuracy: Monthly difference ± 15 seconds-Waterproof: Waterproof performance for daily life
- Weight: 52.8117g

### Company Information

CITIZEN WATCH CO.,LTD

042-466-1231

Registration#	JR-AV-22002C-B
PCR number	PA-641111-AV-02
PCR name	Watch
Publication date	5/13/2022
Verification date	8/8/2023
Verification method	Product-by-product
Verification#	JV-AV-23010
Expiration date	8/7/2028

### PCR review was conducted by:

Approval date	2019/10/1
PCR review panel chair	Kanzaki Masayuki <small>(Japan Environmental Management Association for Industry)</small>

### Third party verifier\*

	Naitoh Kazuo
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Independent verification of data & declaration in accordance with ISO/TS14067

internal       external

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

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1. Quantification results, and contents of the declaration

CFP quantification unit :

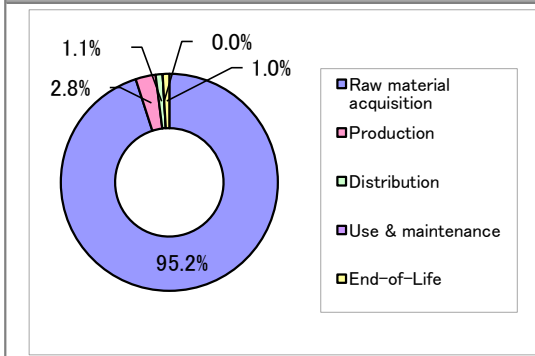
Parameter			Unit
<b>CFP Quantification results</b>		<b>8.1</b>	<b>kg-CO<sub>2</sub>eq</b>
Breakdown	Raw material acquisition	7.7	kg-CO <sub>2</sub> eq
	Production	0.23	kg-CO <sub>2</sub> eq
	Distribution	0.085	kg-CO <sub>2</sub> eq
	Use & maintenance	0.0	kg-CO <sub>2</sub> eq
	End-of-Life	0.078	kg-CO <sub>2</sub> eq
<b>Value on CFP mark</b>		<b>8.1</b>	<b>kg-CO<sub>2</sub>eq</b>
<b>Unit for the value on CFP mark</b>		<b>1 product</b>	

\*Quantification results may slightly differ from the sum of the breakdown due to rounding of fractions.

3. Supplementary environmental information

Empty box for supplementary environmental information.

2. Additional information



4. Interpretation

- At about 95%, the load at the raw material acquisition stage is very high. This is due to the heavy load associated with stainless steel and copper alloys parts and their processing. The selection of raw materials and the improvement of processing methods are thus both crucial.
- The number for the distribution is low. It is low because watches are lightweight and compact, meaning that large quantities can be transported in a single truck shipment.
- This product is equipped with a solar cell. In consequence, there is no need to replace batteries during the use & maintenance stage. Since the watch band is made of metal, it too does not need to be replaced. This results in a use & maintenance figure of 0%.
- When calculating the CFP, we use in-house data for the quantities of raw materials used. Collecting data for many of the components is, however, difficult. For that reason, the data for raw material generation is based on typical values for our processes. As a result, the data sometimes does not reflect the characteristics of this specific product. Kindly understand that, for the above reasons, these results are estimates.

5. Assumptions of secondary data used

IDEA v2.1.3, program registration basic unit 1.10 was used.

6. Remarks

Date of change: August 18th, 2023 Corrected CFP calculation results by correcting errors in activity data and changing basic unit code numbers.

- 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/>)
- The CFP only addresses the single impact category of climate change and does not assess other potential social, economic and environmental impacts arising from the provision of a product.