



# Carbon Footprint of Products

## CFP Declaration

Registration number : JR-AV-23004C

## Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

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

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

CITIZEN WATCH CO.,LTD

CITIZEN L (EM107\*-8)



EM1070-83D



EM1073-85Y



EM1074-82D

### 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:EM1060-87N, EM1063-89D,EM1062-57D

- 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: 72.827g

### Company Information

CITIZEN WATCH CO.,LTD      +81-42-468-4908

Environmental Management Division

Registration#	JR-AV-23004C
PCR number	PA-641111-AV-04
PCR name	Watch
Publication date	4/28/2023
Verification date	4/27/2023
Verification method	Product-by-product
Verification#	JV-AV-23004
Expiration date	4/26/2028

### PCR review was conducted by:

Approval date	1/6/2023
PCR review panel chair	Kanzaki Masayuki Japan Environmental Management Association for Industry

### 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 :

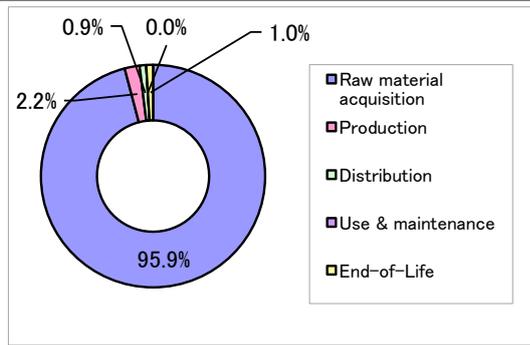
Parameter			Unit
<b>CFP Quantification results</b>		<b>9.6</b>	<b>kg-CO<sub>2</sub>eq</b>
Breakdown	Raw material acquisition	9.2	kg-CO <sub>2</sub> eq
	Production	0.21	kg-CO <sub>2</sub> eq
	Distribution	0.091	kg-CO <sub>2</sub> eq
	Use & maintenance	0.0	kg-CO <sub>2</sub> eq
	End-of-Life	0.094	kg-CO <sub>2</sub> eq
<b>Value on CFP mark</b>		<b>9.6</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



Calculation results are calculated for series products (EM1070-83D, EM1073-85Y, EM1074-82D), but these products have different colors and the same raw material and weight, so there is no difference in the calculation results.

4. Interpretation

- At about 96%, 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 1.13 was used.

6. Remarks

Empty box for 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/>)
- 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.