

EN/RMSC/PCFV/2024/05/010

Product Carbon Footprint (PCF) Verification Statement

The organization

HEJIAN TECHNOLOGY (SUZHOU) CO., LTD.

No.333, Xing Hua Street, Suzhou Industrial Park, Suzhou Area,
China (Jiangsu) Pilot Free Trade Zone, P.R. China

Factory Address: No.333, Xing Hua Street, Suzhou Industrial Park,
Suzhou Area, China (Jiangsu) Pilot Free Trade Zone, P.R. China

Report

Product Carbon Footprint Assessment Report of HeJian 8 inch wafer

Product / Functional Unit (FU)

**Greenhouse gas emission of one single unit of 8 inch wafer from cradle
to gate is 345.57 kgCO_{2e}.**

The PCF calculation and report provided by the mentioned organization have been verified by SGS as comply for ISO 14040:2006 Environmental management – Life cycle assessment – Principles and framework, ISO 14044:2006 Environmental management – Life Cycle Assessment – Requirements and Guidelines, and ISO 14067:2018 Greenhouse gases – Carbon footprint of products – Requirements and guidelines for quantification.

This verification is based on the report and supporting materials submitted by above Organization on May 15th, 2024, details please refer to report: Product Carbon Footprint Assessment Report of HeJian 8 inch wafer 2024/PCFV/C/0510



Signed by

Chris Chen

Issue Date: 04/06/2024
Green Product Service
Voluntary Certification Centre

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Report

Product Carbon Footprint Assessment Report of HeJian 8 inch wafer

Product / Functional Unit (FU)

Greenhouse gas emission of one single unit of 8 inch wafer from cradle to gate is 345.57 kgCO₂e.

Information is summarized as follow:

Name of Applicant:	HeJian Technology (Suzhou) Co., Ltd.
Address of Applicant:	No.333, Xing Hua Street, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone, P.R. China
Address of Factory:	No.333, Xing Hua Street, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone, P.R. China
Product Description:	8 inch wafer
Data Collection:	The PCF calculation and report provided by the mentioned organization based on the data collected from January 1, 2023 to December 31, 2023 have been verified by SGS.
Calculation Approach:	The calculation has been verified by SGS as comply for ISO 14040:2006 Environmental management – Life cycle assessment – Principles and framework, ISO 14044:2006 Environmental management – Life Cycle Assessment – Requirements and Guidelines, and ISO 14067:2018 Greenhouse gases – Carbon footprint of products – Requirements and guidelines for quantification.
System Boundary:	The calculation has been verified by SGS as in accordance with Life Cycle Assessment principles. The carbon footprint calculation results from cradle to gate are shown in this summary.
Greenhouse Gas Calculated:	Carbon dioxide equivalent value on the basis of their per unit radiative forcing using 100-year global warming potentials defined by the Intergovernmental Panel on Climate Change (IPCC 2021, Table 7.SM.7). Green House Gas is listed in IPCC 2021, Table 7.SM.7.
SGS Report:	SGS/RMSC/2024/PCFV/C/0510



Signature

Chris Chen

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