

Statement No.: EN/RMSC/PCFV/2025/05/024

Product Carbon Footprint Verification Statement

This statement is issued to:

Quecheng Silicon Chemical Co., Ltd.

**Company Address: No. 25, Qinggang Road, Donggang Town,
Xishan District, Wuxi City, Jiangsu Province, China**

**Factory Address: No. 25, Qinggang Road, Donggang Town,
Xishan District, Wuxi City, Jiangsu Province, China**

**Submitted report for this verification is "Precipitated hydrated silica
PCF report"**

**Declared Unit / Functional Unit:
Product Carbon Footprint of Product Precipitated hydrated silica from
cradle to gate is 1.88 tCO₂e per ton.**

The PCF report and supporting documents for above mentioned product has been provided by the company and reviewed by SGS as in accordance with ISO 14040:2006 Environmental management – Life Cycle Assessment – Principles and Framework, ISO 14044:2006 Environmental management – Life Cycle Assessment – Requirements and Guidelines, and refer to ISO 14067:2018 Greenhouse gases – Carbon footprint of products – Requirements and guidelines for quantification.

It shall be used to the above **Precipitated hydrated silica** PCF report (report no.: PCF-CS-2025-0427) as an integral explanation.

Signed by

Chris Chen

Issue Date: 29/05/2025
Green Product Service
Voluntary Product Certification Centre

SGS-CSTC Standards Technical Services Co., Ltd.
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This PCF reasonable assurance statement also includes below contents:

- Product Description:** Precipitated hydrated silica refers to the product obtained by reacting sodium silicate solution with acid (usually sulfuric acid), followed by precipitation, filtration, drying, crushing or granulation. Its composition can be expressed as $\text{SiO}_2 \cdot n\text{H}_2\text{O}$. Due to its chemical inertness, stability to chemical agents and ability to significantly improve the mechanical properties of rubber products (such as tensile strength, wear resistance, anti-aging, tear resistance, etc.), it is widely used as a chemical filler in tires, footwear, silicone rubber, feed, coatings, oral care, daily necessities, medicine and other fields.
- System Boundary:** The Life cycle stages of from cradle to grave which included material acquisition and manufacturing processes.
- Data Collection:** Data collected for this PCF calculation and reporting was from 01/01/2024 to 31/12/2024.
- Data Source:** Primary data was collected from raw material and manufacturing site of the product, secondary data was from 100-year global warming potentials defined by the Intergovernmental Panel on Climate Change (IPCC 2021, Table 7.SM.7), and life cycle database Ecoinvent 3.11.
- Allocation:** Single product, no allocation involved.
- Cut-off Rules:** For some data that are difficult to obtain, if their impact on emissions is small (single impact is less than 1%), they can be ignored, and the sum of emissions from ignored data or stages should not exceed 5%. Emissions from the production of fixed assets such as pallets and mechanical equipment are not considered.
- PCF Report:** The PCF report was submitted by the listed company on May 27th, 2025 and verified by SGS to its materially accuracy. The data information of the verified product was authentically revealed, and the quantifying, monitoring and reporting were in accordance with ISO 14067:2018, ISO 14040:2006 and ISO 14044:2006 standards requirements.

Signed by



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