

CN/RMSC/PCFV/2023/12/045; 续  
报告

## 绍兴凤登氢气产品碳足迹评估报告

产品/ 功能单位

一千克氢气从摇篮到大门的  
产品碳足迹为: 4.614 千克二氧化碳当量

产品碳足迹资料概述如下:

申请者: 绍兴凤登环保有限公司

申请者地址: 浙江省绍兴市越城区斗门街道临海路 1 号

制造地址: 浙江省绍兴市越城区斗门街道临海路 1 号

产品描述: 利用危险废弃物制造的化工原料

数据收集: 该公司所提供的产品碳足迹计算及报告根据 2022 年 1 月 1 日至 2022 年 12 月 31 日的收集数据, 已经过 SGS 核查。

计算方法: 经 SGS 核查该计算符合 ISO 14040:2006 环境管理 - 生命周期评价 - 原则和框架、ISO 14044:2006 环境管理 - 生命周期评价 - 要求和指南、ISO 14067:2018 温室气体排放 - 产品碳足迹 - 量化要求与指南。

系统边界: 经 SGS 核查, 该计算按照生命周期评价的原则来计算产品从摇篮到大门的碳足迹。

温室气体的计算: 二氧化碳当量值是按其单位辐射强迫换算而成, 换算时采用政府间气候变化专业委员会 (IPCC 2021, 表 7.SM.7) 定义的 100 年全球增温潜势。温室气体已列于 IPCC 2021, 表 7.SM.7。

SGS 报告号: SGS/RMSC/2023/PCFV/C/1242



签署



颁发日期: 2024 年 6 月 25 日  
绿色产品服务  
自愿性产品认证中心



## SHAOXING FENGDENG Hydrogen Carbon Footprint Assessment Report

Product / Functional Unit (FU)

Greenhouse gas emission of 1 kg hydrogen from cradle to gate is 4.514  
kgCO<sub>2</sub>e.

Information is summarized as follow:

Name of Applicant:	SHAOXING FENGDENG ENVIRONMENTAL PROTECTION CO., LTD.
Address of Applicant:	1 Linhai Road, Doumen Street, Shaoxing City, Zhejiang Province, China
Address of Factory:	1 Linhai Road, Doumen Street, Shaoxing City, Zhejiang Province, China
Product Description:	Chemical raw materials made from hazardous waste
Data Collection:	The PCF calculation and report provided by the mentioned organization based on the data collected from January 1 <sup>st</sup> 2022 to December 31 <sup>st</sup> 2022 have been verified by SGS.
<u>Calculation Approach:</u>	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.
<u>Greenhouse Gas Calculated:</u>	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/2023/PCFV/C/1244



Signature



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Green Product Service  
Voluntary Certification Centre