



Opinion Statement

Product Carbon Footprint Verification Opinion Statement

This is to verify that: ZIG SHENG INDUSTRIAL CO., LTD.
2F, No. 70, Xining N. Rd.
Datong Dist.
Taipei City
103601
Taiwan

集盛實業股份有限公司
台灣
台北市
大同區
西寧北路 70 號 2 樓
103601

Holds Statement No: PCFV 771027

As a result of carrying out the verification of service life cycle greenhouse gas emissions, it is the opinion of BSI with reasonable assurance that:

- The product carbon footprint with the functional unit/declared unit is as follows:
 - Each Kilogram Nylon 6 Virgin Bright Chip (每公斤尼龍一般亮光粒子) is 4.39 kilograms of CO₂ equivalent.
 - Each Kilogram Nylon 6 Recycled Bright Chip (fishing net) (每公斤尼龍環保亮光粒子(漁網)) is 0.23 kilograms of CO₂ equivalent
 - Each Kilogram Nylon 6 Recycled Bright Chip (waste yarn) (每公斤尼龍環保亮光粒子(雜絲)) is 0.14 kilograms of CO₂ equivalent
- No material misstatements in this product life cycle greenhouse gas emission statement were revealed.

The product life cycle GHG data quality was verified to be acceptable against the requirements of ISO 14067:2018.

This statement shall be valid for a maximum period of two years after the latest issue date on this certificate. Should there be a change in the life cycle of the product whose GHG emissions are being assessed, the validity of this opinion statement will cease.

Managing Director BSI Taiwan, Peter Pu

For and on behalf of BSI:

Originally Registration Date: 2022-07-05

Effective Date: 2022-07-05

Latest Revision Date: 2022-07-05

Expiry Date: 2024-07-04

Page: 1 of 2

...making excellence a habit.™

Statement No: PCFV 771027

Location

Verification Information

ZIG SHENG INDUSTRIAL CO., LTD.
2F, No. 70, Xining N. Rd.
Datong Dist.
Taipei City
103601
Taiwan
集盛實業股份有限公司
台灣
台北市
大同區
西寧北路 70 號 2 樓
103601

The product carbon footprint with the functional unit/declared unit is as follows:

- Each Kilogram Nylon 6 Virgin Bright Chip (每公斤尼龍一般亮光粒子) is 4.39 kilograms of CO₂ equivalent.
- Each Kilogram Nylon 6 Recycled Bright Chip (fishing net) (每公斤尼龍環保亮光粒子(漁網)) is 0.23 kilograms of CO₂ equivalent
- Each Kilogram Nylon 6 Recycled Bright Chip (waste yarn) (每公斤尼龍環保亮光粒子(雜絲)) is 0.14 kilograms of CO₂ equivalent

Additional information

Product related information is as follows:

- System boundary for this product: Cradle to Gate
The product system boundary is consistent with its system boundary definition in the PCF report for product carbon footprint, which involves the acquisition of materials, process activity and the transportation of materials in the product life cycle.
- The data in this product life cycle greenhouse gas inventory report is from 2021-01-01 to 2021-12-31.
- The site-specific data include related facilities from its own processes under the operational control of the organization and individual processes under the financial or operational control of the organization undertaking the CFP study.
The secondary data include relative factors from EPA Carbon Footprint Calculation Platform and LCA software SimaPro 9.3.0.2 with Efdatabase 2.0/Ecoinvent v3 (IPCC 2013 GWP 100a v1.03)

Originally Registration Date: 2022-07-05

Effective Date: 2022-07-05

Latest Revision Date: 2022-07-05

Expiry Date: 2024-07-04

Page: 2 of 2