

Opinion Statement

Product Carbon Footprint Verification Opinion Statement

This is to certify that: Hota Industrial MFG. Co.,Ltd.
No. 12, Keya Rd.
Daya Dist.
Taichung City
428203
Taiwan

和大工業股份有限公司
臺灣
台中市
大雅區
科雅路12號
428203

Holds Statement No: PCFV 815620

As a result of carrying out the verification and validation procedures in accordance with ISO 14064-3:2019 of product life cycle greenhouse gas emissions, the statement for mixed engagement including reasonable assurance for verification activity and agreed-upon procedures (AUP) contains the following:

- The product carbon footprint with the declared unit of Rotor Shaft, Output Shaft and Asy. Intermediate Shaft are verified as following table.
- The product life cycle GHG data quality was verified to be acceptable against the requirements of ISO 14067:2018.

This opinion 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.



Shahm Barhom, Group Product Certification Director

For and on behalf of BSI:

Original Registration Date: 2025-07-28
Latest Revision Date: 2025-07-28

Effective Date: 2025-07-28
Expiry Date: 2027-07-28

...making excellence a habit.™

Statement No: PCFV 815620

The conclusions for different engagement types are explained as follows:

Verification

- Verification are based on reasonable level of assurance and include the following greenhouse gas emissions.
 - the stationary combustion, mobile combustion and fugitive emissions in production stage of life cycle
 - purchased or acquired electricity and water resource in production stage of life cycle
 - partial production-related raw materials acquisition and transportation (Alloy Steel only)
- The data and information of greenhouse gas emissions are based on historical in nature, and no material misstatements in this product life cycle greenhouse gas emission statement were revealed.

Agreed-upon procedures (AUP)

- AUP are specific types of verification activities, BSI have performed the evidence-gathering procedures and enumerated below with respect to the upstream GHGs emissions information.
 - all production-related raw materials acquisition and transportation (Alloy Steel excluded)
 - disposal and treatment of waste generated in operations
- BSI do not express any assurance on the GHG emissions, removals and storage.

(Unit: Kg CO₂e)

Product Carbon Footprint	Emissions for Each Engagement Types		Total
	Agreed-upon Procedures (AUP)	Verification	
One piece of Rotor Shaft (Part Number: PT00378933-F) with packing	7.463	22.484	29.95
One piece of Output Shaft (Part Number: 44-69-171-001) with packing	8.391	29.199	37.59
One piece of Asy. Intermediate Shaft, 4DU, Macro 2.0 (Part Number: 1693047-00-F) with packing	8.889	53.199	62.09

Original Registration Date: 2025-07-28
Latest Revision Date: 2025-07-28

Effective Date: 2025-07-28
Expiry Date: 2027-07-28

Statement No: PCFV 815620

Location	Verification and Validation Information
Hota Industrial MFG. Co., Ltd. No. 12, Keya Rd., Daya Dist., Taichung City 428203, Taiwan 和大工業股份有限公司 428203台中市大雅區科雅路12號	The product carbon footprint with the declared unit of Rotor Shaft, Output Shaft and Asy. Intermediate Shaft have been verified and validated.

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 2023-01-01 to 2023-12-31.
- The site-specific data include related facilities listed below 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.
 - Hota Industrial MFG. Co., Ltd. Ta-Li Plant and Chiayi Branch
- The secondary data include relative factors from MOENV Carbon Footprint Calculation Platform and LCA software SimaPro v9.6.0.1 (IPCC 2021 GWP 100a).

Original Registration Date: 2025-07-28
Latest Revision Date: 2025-07-28

Effective Date: 2025-07-28
Expiry Date: 2027-07-28