



**ASSURANCE OPINION
CARBON FOOTPRINT**

This is to verify that

TUNG HO STEEL ENTERPRISE CORPORATION KAOHSIUNG WORKS

No. 8, Jiaxing St., Xiaogang Dist., Kaohsiung City 81257, Taiwan

Holds Statement No: TWN19452382CFPT-2/E Rev.1

Bureau Veritas Certification (Taiwan) Co., Ltd. was engaged to conduct an independent verification of the carbon footprint statement reported by TUNG HO STEEL ENTERPRISE CORPORATION KAOHSIUNG WORKS for the period stated below. This Verification Statement applies to the related information included within the scope of work described below.

The determination of the carbon footprint statement is the sole responsibility of TUNG HO STEEL ENTERPRISE CORPORATION KAOHSIUNG WORKS. BVC's sole responsibility was to provide independent verification on the accuracy of the carbon footprint statement reported, and on the underlying systems and processes used to collect, analyze and review the information.

Boundaries of the carbon footprint assessment:

- Product name: HOT ROLLED CHANNEL
- Functional unit: 1 kg
- System boundary: Cradle-to-gate

Carbon footprint data verified:

- Functional unit emissions: 0.86 kgCO₂e/kg

Period covered by carbon footprint assessment:

- January 1, 2023 to December 31, 2023

Verification opinion:

Based on the process and procedures conducted, we conclude that the carbon footprint statement with reasonable assurance:

- is materially correct;
- is a fair representation of the carbon footprint data and information; and
- is prepared in accordance with the ISO 14067:2018.

It is our opinion that TUNG HO STEEL ENTERPRISE CORPORATION KAOHSIUNG WORKS has established appropriate systems for the collection, aggregation and analysis of quantitative data for determination of carbon footprint statement for the stated period and boundaries.

Ryan Man, Technical Reviewer
Originally Issue: 10/6/2024

Pei Hsu, CER Manager
Latest Issue: 10/6/2024



Validation and Verification
VB005



Carbon footprint statement and other information:

- CFP Inventory: 2024/5/30
- CFP Study Report: 2024/5/30
- The primary activity data include related facilities from its own processes under the operational control of TUNG HO STEEL ENTERPRISE CORPORATION KAOHSIUNG WORKS;
- The secondary data include relative factors from public sources and LCA software SimaPro 9.6.0.1.
- IPCC 2021 GWP 100a v1.02 values are applied.

Carbon footprint statement

Life cycle stage	Emissions (kgCO ₂ e/kg)	Percentage (%)
Raw material acquisition	0.633	73.78
Production	0.225	26.22
Total	0.86	100.00

Verification protocols used to conduct the verification:

- ISO 14064-3:2019

Carbon footprint verification methodology:

- Interviews with relevant personnel of TUNG HO STEEL ENTERPRISE CORPORATION KAOHSIUNG WORKS;
- Review of documentary evidence produced by TUNG HO STEEL ENTERPRISE CORPORATION KAOHSIUNG WORKS;
- Review of TUNG HO STEEL ENTERPRISE CORPORATION KAOHSIUNG WORKS data and information systems and methodology for collection, aggregation, analysis and review of information used to determine carbon footprint statement at office and during site visits to TUNG HO STEEL ENTERPRISE CORPORATION KAOHSIUNG WORKS; and
- Audit of sample of data used by TUNG HO STEEL ENTERPRISE CORPORATION KAOHSIUNG WORKS to determine carbon footprint statement.

Verification dates:

- 2024/5/24, 28~30

Verification team:

- Lead Verifier: Chris Liu

Statement of independence, impartiality and competence

The Bureau Veritas Group is an independent professional services company that specializes in Quality, Health, Safety, Social and Environmental management with over 190 years history in providing independent assurance services.

No member of the verification team has a business relationship with TUNG HO STEEL ENTERPRISE CORPORATION KAOHSIUNG WORKS, its Directors or Managers beyond that required of this assignment. We conducted this verification independently and to our knowledge there has been no conflict of interest. The Bureau Veritas Group has implemented a Code of Ethics across the business to maintain high ethical standards among staff in their day-to-day business activities.

The verification team has extensive experience in conducting assurance over environmental, social, ethical and health and safety information, systems and processes, has over 20 years combined experience in this field and an excellent understanding of The Bureau Veritas Group standard methodology for the verification of greenhouse gas emissions data.

This verification statement, including the opinion expressed herein, is provided to TUNG HO STEEL ENTERPRISE CORPORATION KAOHSIUNG WORKS and is solely for the benefit of TUNG HO STEEL ENTERPRISE CORPORATION KAOHSIUNG WORKS in accordance with the terms of our agreement. We consent to the release of this statement by you to others interest party in order to satisfy the terms of disclosure requirements but without accepting or assuming any responsibility or liability on our part to any other party who may have access to this statement.