

Report No. : (TH24-792 / Version 1)

Greenhouse Gas Verification Report Opinion

THGHG24792-00

Verification Scope: YUEN CHANG STAINLESS STEEL CO., LTD.
13F.-1, ND.235, Zhongzheng 4th Rd., Qianjin Dist., Kaohsiung city 801648,
Taiwan (R.O.C.)
No. 12, Huaxi Rd., Daliao Dist., Kaohsiung City 831136, Taiwan (R.O.C.)

Verification Criteria: ISO 14064-1 : 2018

Verification Objectives : According to ISO 14064-3:2019, AFNOR Asia Ltd. (AFNOR ASIA) confirms that the GHG statement (GHG inventory report) of the above-mentioned organization(s) is reported in accordance with the verification criteria agreed by both parties. AFNOR ASIA performs the verification with an objective and fair position and principle (relevant, complete, consistent, accurate, and transparent).

Data Period : January 01, 2024 to December 31, 2024 (The data being viewed is historical in nature)

Verification Data :

Direct GHG Emissions (Category 1):	87.2717	Ton CO ₂ e
Energy Indirect GHG Emissions (Category 2):	1,100.1671	Ton CO ₂ e
Indirect GHG Emissions (Category 3~6):	500,663.4192	Ton CO ₂ e

Global Warming Potential (GWP) : Refer to IPCC 2021 Year, the 6 assessment report

Statement Basis : This statement must be interpreted as a whole with the following.

GHG Inventory Report (Version :	R1	; Date :	March 25, 2025	)
GHG Inventory (Version :	R1	; Date :	March 25, 2025	)

Materiality : 5% (Category 1 and Category 2)

Type of Opinion : ☒ Unqualified ☐ Qualified (see the subsequent page) ☐ Disclaim the issuance

Verification Conclusion: To confirm that the organization submits a GHG statement in accordance with the requirements of the verification criteria agreed by both parties, and fairly presents the GHG data and related information, which are consistent with the verification scope, objectives and criteria agreed by both parties.
Declares that the reasonable assurance level of the inventory data is Category 1 and Category 2.

Date of Issuance: May 29, 2025

APPROVED BY



Steven Huang
Director for Certification
ON BEHALF OF
AFNOR ASIA

113-2024/00

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The Geographical Location of Multiple Sites :

Site	Address
Office	13F.-1, ND.235, Zhongzheng 4th Rd., Qianjin Dist., Kaohsiung city 801648, Taiwan (R.O.C.)
Factory	No. 12, Huaxi Rd., Daliao Dist., Kaohsiung City 831136, Taiwan (R.O.C.)

Emissions Data for Each Category :

Category	Description of Content	GHG Emissions (Ton CO ₂ e)	Note
(Category 1) Direct GHG emissions	Stationary combustion, mobile combustion, industrial process, direct fugitive emissions from the release of GHGs in anthropogenic systems	87.2717	
(Category 2) Indirect GHG emissions from imported energy	Imported electricity	1,100.1671	Location-based standard
(Category 3) Indirect GHG emissions from transportation	Upstream transport for goods	3,804.5599	
(Category 4) Indirect GHG emissions from products used by organization	Purchased goods, disposal of solid and liquid waste	496,858.8593	
(Category 5) Indirect GHG emissions associated with the use of products from the organization	NS	NS	
(Category 6) Indirect GHG emissions from other sources	N/A	N/A	

Biomass Burning Emission : 0.0000 Ton CO₂e

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Other Related Verification Information

Organization Boundaries :	Operational control
GHG Type :	Carbon dioxide (CO ₂), Methane (CH ₄), Nitrous oxide (N ₂ O), Hydrofluorocarbon (HFCs), Perfluorocarbon (PFCs), Sulfur hexafluoride (SF ₆), Nitrogen trifluoride (NF ₃)
Purpose of Intended Use:	Voluntarily understanding greenhouse gas emissions status as the basis for reduction strategies. (This statement of responsibility applies only to the purpose of intended use mentioned above and not to any other purpose.)
Criteria For Significance of Indirect Emissions :	- Identified stakeholder requirements: ☒ Yes ☐ No - Identified regulation requirements : ☒ Yes ☐ No - Identified magnitude of emissions : ☒ Yes ☐ No - Others :
Purchased Power Factor:	Refer to the 2023 annual power factor announced by the Energy Administration, Ministry of Economic Affairs Taiwan on April 26, 2024
Data Sources :	☒ The primary data is collected from on-site operation activities. ☒ Category 3~6 emissions are calculated with estimated data. The secondary data sources are: Carbon Footprint Information Platform (MOENV, Taiwan), Ecoinvent v3, Stainless Steel Plants ☐ Others :
Verification Method:	☒ On-site
Qualified Opinion :	No
Others :	No
Verification Date :	March 5, 7, 2025 March 20-21, 2025
Report Date :	April 22, 2025



Certificate

Certificat

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Verification Team and Technical Review

Lead Verifier :

Wen-Yi Yen

Signature :

James Yen

Independent
Review :

Yi-Ching Chen

Signature :

Nancy Chen

Verification Processes

AFNOR ASIA is based on risk assessment methods and controls. Evidence collection procedures are including pre-trip assessment, on-site visits, interviews with site personnel, confirmation of documented evidence provided, sampling of emission data, evaluation of data management systems, confirming the collection and compilation of emission data, analysis between production and energy consumption, and confirmation of whether the terms of the agreement referred to are properly applied.

Roles and Responsibilities

The verified organization is responsible for preparing and submitting a GHG statement in accordance with the verification criteria. This responsibility includes the planning, implementation and maintenance of data management systems related to GHG declarations, GHG inventory and GHG inventory reports.

AFNOR ASIA provides independent third-party verification of the reported GHG emissions and issues verification opinions for the organizational GHG emissions. The verification team is independent and impartial, and there is no conflict of interest.