

Report no. : (TH09-036 / version 1)

Greenhouse Gas Verification Report Opinion

THGHG09036-00

Verification CHIA CHANG CO., LTD.
Scope: No. 45, Ln. 205, Sec. 2, Nanshan Rd., Luzhu Dist., Taoyuan City 338, 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 performs the verification with an objective and fair position and principle (relevant, complete, consistent, accurate, and transparent).

Data Period : 2023/01/01~2023/12/31 (The data is historical data.)

Verification
Data : Direct GHG emissions (category 1): 126.5634 tons CO2e
Energy indirect GHG emissions (category 2): 1,319.9670 tons CO2e
Indirect GHG emissions (category 3~6): 7,971.2209 tons CO2e

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

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

GHG Inventory report (version :	V3	; Date :	03 13, 2024)
GHG Inventory (version :	V3	; Date :	03 13, 2024)

Materiality : 5% (category 1 and category 2)

Type of Opinion : unqualified qualified (see the subsequent page) disclaim the issuance

Verification
Conclusion: 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 is 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: 05 16, 2024

APPROVED BY



Patrick NI
Director for Certification
ON BEHALF OF
AFNOR ASIA

Report no. : (TH09-036 / version 1)

Emissions Data for Each Category :

Category	Description of content	GHG emissions (tons CO ₂ e)	Note
(Category 1) Direct GHG emissions	Stationary combustion source, Mobile combustion sources, Process emission sources, Fugitive emission sources	126.5634	
(Category 2) Indirect GHG emissions from imported energy	Electricity	1,319.9670	local standard
(Category 3) Indirect GHG emissions from transportation	Upstream transportation of raw materials, Downstream transportation of products, Employee commuting, Business travel	350.5776	
(Category 4) Indirect GHG emissions from products used by organization	Upstream raw material use, Paper product use, Paper product use and transportation, Energy indirect, Equipment maintenance and transportation, Waste removal, Waste treatment	7,620.6433	
(Category 5) Indirect GHG emissions associated with the use of products from the organization	NS	NS	
(Category 6) Indirect GHG emissions from other sources	NS	NS	

Biomass burning emission : 0.0000 tons CO₂e

Report no. : (TH09-036 / version 1)

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:	Understanding voluntarily the status of GHG emissions as a basis for developing 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 :	<ul style="list-style-type: none"> - Identified stakeholder requirements: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Identified regulation requirements : <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Identified magnitude of emissions : <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - Others :
Purchased power factor:	Refer to the 2022 annual power factor announced by the Bureau of Energy, Ministry of Economic Affairs on 06 21, 2023
Data sources :	<input checked="" type="checkbox"/> The primary data is collected from on-site operation activities. <input checked="" type="checkbox"/> Category 3~6 emissions are calculated with estimated data. The secondary data sources are: Carbon Footprint Information Platform <input type="checkbox"/> others :
Verification method:	<input checked="" type="checkbox"/> On-site
Qualified opinion :	NO
Others :	No
Verification date :	03 07, 2024 03 14, 2024
Report date :	04 14, 2024

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Verification team and technical review

Lead Verifier : LU, MU-CHENG

簽名 : *Lu, Mu-Cheng*

erifier : JAMES YEN

簽名 : *James Yen*

Independent review : NANCY CHEN

簽名 : *Nancy Chen*

Verification processes

AFNOR 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 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.