

Greenhouse Gas Verification Opinion

The inventory of Greenhouse Gas emissions in year 2024 of

KINIK Company Zhubei Factory

No.260,Shixing Rd.,Zhubei City,
Hsinchu Country 30286,Taiwan

has been verified in accordance with ISO 14064-3:2019 as meeting the requirements of

ISO 14064-1:2018

Opinion Type: Modified

Direct emissions

2,076.3521 tonnes of CO₂e

Indirect emissions

15,745.0733 tonnes of CO₂e

Direct emissions and indirect emissions

17,821.425 tonnes of CO₂e

Authorized by

Stephen Pao

Business Assurance Director

Date: 30 July 2025

Version 1

TGP56B-15-1 2501
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Validation and Verification

VB002

The emission of each category is described as below:

Unit: tonnes of CO₂e

Reporting Boundaries		Description	GHG Emissions
Inventory categories			
Direct emissions		Direct emissions from stationary combustion	0.2421
		Direct emissions from mobile combustion	53.7073
		Direct process emissions and removals from industrial processes	1952.7480
		Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	69.6547
		Direct emissions and removals from land use, land use change and forestry	0.0000
Indirect emissions	Imported energy	Imported Electricity	12,893.1792
	Transportation	Undisclosed	--
	Products used by an organization	Fuel- and energy- related activities (not included in category 1 or category 2)	2,851.8941
		Waste treatment & transportation	
	Associated with the use of products from the organization	Undisclosed	--
	Other sources	Undisclosed	--
Direct emissions and indirect emissions			17,821.425

SGS has been contracted for the verification of direct and indirect Greenhouse Gas emissions in accordance with

ISO 14064-3:2019

as provided by KINIK Company Zhubei Factory (hereinafter referred to as “KINIK- Zhubei”), No.260,Shixing Rd.,Zhubei City,Hsinchu Country 30286,Taiwan, in the GHG Statement in the form of GHG report.

Roles and responsibilities

- The management of KINIK- Zhubei is responsible for the organization’s GHG information system, the development and maintenance of records and reporting procedures in accordance with that system, including the calculation and determination of GHG emissions information and the reported GHG emissions.
- The verification was based on the verification scope, objectives and criteria as agreed on 01 November 2022.
- Verification Criteria: ISO 14064-1:2018
- Verification Period: 01 April 2025 to 28 April 2025.

Scope

- GHG information for the following period was verified: 01 January 2024 to 31 December 2024
- Location/boundary of the activities:
 - No.260,Shixing Rd.,Zhubei City,Hsinchu Country 30286,Taiwan
- Types of GHGs included: CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃
- The IPCC 2021 AR6 GWP values are applied in this inventory.
- Emission factor:
 - Direct emissions: Greenhouse Gas Emission Factor, MOENV(2024.02.05).
 - Indirect emissions:
 - Electricity emission factor is 0.474 kgCO₂e/kwh (Announced by Energy Administration, Ministry of Economic Affairs in 2025).
 - The secondary database has Carbon Footprint Information Platform.
- The level of assurance for category 1 and category 2 agreed is that of reasonable assurance. Category 3 till category 6 agreed is that of limited assurance.
- Materiality : 5%
- The version of inventory sheet: 20250428

- The version of GHG statement: 20250428
- Intended user of the verification opinion: Private

Objective

The purposes of this verification exercise are, by review of objective evidence, to independently review:

- Whether the GHG emissions are as declared by the organization's GHG statement
- The data reported are accurate, complete, consistent, transparent and free of material error or omission.

Conclusion

SGS's approach is risk-based, drawing on an understanding of the risks associated with reporting GHG emissions information and the controls in place to mitigate these. Our examination includes assessment, on a test basis, of evidence relevant to the amounts and disclosures in relation to the organization's reported GHG emissions. We planned and performed our work to obtain the information, explanations and evidence that the GHG emissions are free from material misstatement.

- The greenhouse gas emissions is 17,821.425 metric tonnes of CO₂ equivalent
- The emissions from the combustion of biomass is 0.0000 metric tonnes of CO₂ equivalent

The emission of each category is described as below:

Unit: tonnes of CO₂e

Reporting Boundaries			GHG Emissions
Inventory categories	Description		
Direct emissions	Direct emissions from stationary combustion		0.2421
	Direct emissions from mobile combustion		53.7073
	Direct process emissions and removals from industrial processes		1952.7480
	Direct fugitive emissions arise from the release of GHGs in anthropogenic systems		69.6547
	Direct emissions and removals from land use, land use change and forestry		0.0000
Indirect emissions	Imported energy	Imported Electricity	12,893.1792
	Transportation	Undisclosed	--

	Products used by an organization	Fuel- and energy- related activities (not included in category 1 or category 2)	2,851.8941
		Waste treatment & transportation	
	Associated with the use of products from the organization	Undisclosed	--
	Other sources	Undisclosed	--
Direct emissions and indirect emissions			17,821.425

- The opinion of SGS is modified in accordance with the following described circumstances.
 - The verifier has sufficient and appropriate evidence to support the material emissions, removals, or storage.
 - The verifier applies appropriate criteria for the material emissions, removals, or storage.
 - When the verifier intends to rely on relevant controls, the effectiveness of those controls has been assessed.
 - The verifier, applying the ISO 14064-1:2018 standard, presents the following findings. After adjustments and corrections, no material errors were identified.
 - The activity data and emission factor have been modified, such as fugitive emission, refrigerant, diesel, gasoline, energy, waste treatment.
- Retention Limitation:
 - n/a

Confidentiality

The reports and attachments may contain relevantly confidential information of the clients. In addition to being submitted as governmental application or certification documents, the reports and attachments are not allowed to be edited, duplicated, or published without the clients' agreement in written form.

Avoidance of Conflict of Interest

The reports and attachments are completely complied with the standards and procedures that related authorities established. The reports and attachments of auditing process are conduct with fairness and honesty. If not, the auditing institution not only has to bear the relevant compensation duties, but also to receive legal charge and punishment.

This opinion shall be interpreted with the GHG statement of KINIK- Zhubei as a whole.

Verifier Group

Above opinions coincide with auditing process with fairness and impartiality and aim at the emission of year 2024 of clients.

Lead Verifier:

A handwritten signature in black ink that reads "William Wu". The signature is written in a cursive, flowing style.

Verifier:

A handwritten signature in blue ink that reads "Chao tai". The signature is written in a cursive, flowing style.

Note: This opinion is issued, on behalf of Client, by SGS Taiwan Ltd. ("SGS") under its General Conditions for Greenhouse Gas Verification Services available at http://www.sgs.com/terms_and_conditions.htm. The findings recorded hereon are based upon an audit performed by SGS. A full copy of this opinion, the findings and the supporting GHG Statement may be consulted at KINIK Company (Zhubei), No.260,Shixing Rd.,Zhubei City,Hsinchu Country 30286,Taiwan, This opinion does not relieve Client from compliance with any bylaws, federal, national or regional acts and regulations or with any guidelines issued pursuant to such regulations. Stipulations to the contrary are not binding on SGS and SGS shall have no responsibility vis-à-vis parties other than its Client.