

Greenhouse Gas Verification Opinion

The inventory of Greenhouse Gas emissions in year 2023 of

Univacco Technology Inc.

NO. 381, 383, Mayou Rd., Madou Dist.,
Tainan City 721013, Taiwan R.O.C.



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

ISO 14064-1:2018

Direct emissions

11,435.7020 tonnes of CO₂e

Indirect emissions

46,818.4674 tonnes of CO₂e

Direct emissions and indirect emissions

58,254.169 tonnes of CO₂e

Authorized by

Stephen Pao

Business Assurance Director

Date: 19 June 2024

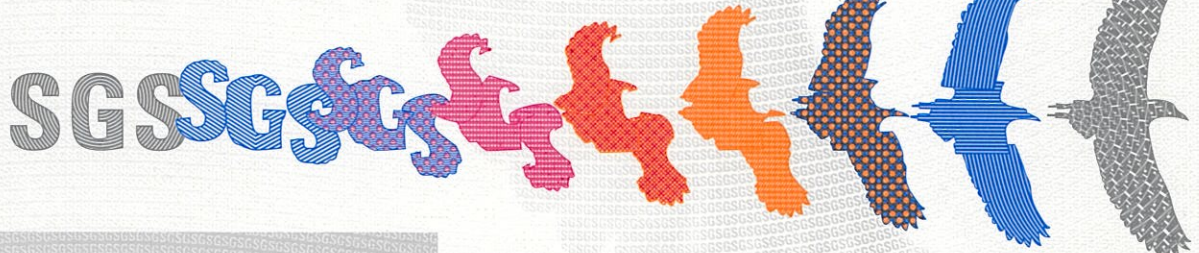
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SGS Taiwan Ltd.

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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	VC1	652.2469	11,435.7020
		VC2	1,138.4274	
		OP1	786.4843	
	Direct emissions from mobile combustion	VC1	35.4024	
		VC2	64.5745	
		OP1	0.0000	
	Direct process emissions and removals from industrial processes	VC1	2,694.5752	
		VC2	5,422.3309	
		OP1	548.4409	
	Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	VC1	27.2349	
VC2		45.0293		
OP1		20.9553		
Direct emissions and removals from land use, land use change and forestry		—		
Indirect emissions	Imported energy	VC1	2,181.1582	9,109.5260
		VC2	4,997.8158	
		OP1	1930.5520	
	Transportation	Unquantified	—	
	Products used by an organization	4.1 Purchased goods and services (Purchased goods)	37,708.9414	
Associated with the use of products from the organization	Unquantified	—		
Other sources	Unquantified	—		
Direct emissions and indirect emissions			58,254.169	

SGS has been contracted by Univacco Technology Inc. (hereinafter referred to as “Univacco”), NO. 381, 383, Mayou Rd., Madou Dist., Tainan City 721013, Taiwan R.O.C. for the verification of direct and indirect Greenhouse Gas emissions in accordance with

ISO 14064-3:2019

as provided by Univacco Technology Inc. (hereinafter referred to as “Univacco”), NO. 381, 383, Mayou Rd., Madou Dist., Tainan City 721013, Taiwan R.O.C., in the GHG Statement in the form of GHG report.

Roles and responsibilities

- The management of Univacco 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 between Univacco and SGS on 21 April 2022.
- Verification Criteria: ISO 14064-1:2018.
- Verification Period: 30 April 2024 to 05 June 2024.

Scope

- GHG information for the following period was verified: 01 January 2023 to 31 December 2023.
- Location/boundary of the activities:
 - NO. 381, 383, Mayou Rd., Madou Dist., Tainan City 721013, Taiwan R.O.C.
 - NO. 301, Mayou Rd., Madou Dist., Tainan City 721013, Taiwan R.O.C.
 - NO. 57, Sec. 2, Majia Rd., Madou Dist., Tainan City 721013, Taiwan R.O.C.
- Types of GHGs included: CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃
- The IPCC 2013 AR5 GWP values are applied in this inventory.
- Emission factor:
 - Direct emissions: Greenhouse Gas Emission Factor Table (6.0.4).
 - Indirect emissions:
 - Electricity emission factor is 0.494 kgCO₂e/kwh (Announced by Energy Administration, Ministry of Economic Affairs in 2024).
 - The secondary database has Carbon Footprint Information Platform, Ecoinvent 3.
- 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.

Opinion TW24/00368GG, continued

- Materiality : 5%
- The version of inventory sheet: 20240605
- The version of GHG statement: 20240605
- 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 58,254.169 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		
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		VC2	45.0293	
		OP1	20.9553	
		Direct emissions and removals from land use, land use change and forestry		

Indirect emissions	Imported energy	Imported Electricity	VC1	2,181.1582	9,109.5260
			VC2	4,997.8158	
			OP1	1930.5520	
	Transportation	Unquantified		—	
	Products used by an organization	4.1 Purchased goods and services (Purchased goods)		37,708.9414	
	Associated with the use of products from the organization	Unquantified		—	
Other sources	Unquantified		—		
Direct emissions and indirect emissions					58,254.169

- 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 emission coefficient calculation process of each plant's "process gas", the electricity emission coefficient, the activity data calculation period of each plant's "natural gas" emission source, and the quotation coefficients of diesel, gasoline and purchased commodities have been updated.
 - The calculation formula for split air-conditioning using refrigerant R32 has been revised.
 - The power consumption of VC1 number 96-4 has been replenished.
 - The raw material distribution ratio of "Univacco" and "MCTC" has been corrected.
- Retention Limitation: NA.

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 Univacco as a whole.

Verifier Group

Above opinions coincide with auditing process with fairness and impartiality and aim at the emission of year 2023 of clients.

Lead Verifier:

Kevin Hsieh

Verifier:

Carol Chen Kai ping Teh

Chih Yuan Kuo

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 Assertion may be consulted at Univacco Technology Inc., NO. 381, 383, Mayou Rd., Madou Dist., Tainan City 721013, Taiwan R.O.C., 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.