

Greenhouse Gas Verification Opinion

The inventory of Greenhouse Gas emissions in year 2023 of

eMemory Technology Inc.

8F, NO.5, TAI-YUAN 1ST ST., JHUBEI CITY,
HSINCHU COUNTY 30288, TAIWAN

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

ISO 14064-1:2018

Direct emissions

102.7494 tonnes of CO₂e

Indirect emissions

1,679.9669 tonnes of CO₂e

Direct emissions and indirect emissions

1,782.716 tonnes of CO₂e

Authorized by

Stephen Pao

Business Assurance Director

Date: 12 July 2024

Version 1

TGP56B-15-1 2404

SGS Taiwan Ltd.

No. 136-1, Wu Kung Road, New Taipei Industrial Park, Wu Ku District,

New Taipei City 24803, Taiwan

t (02) 22993279 f (02)22999453 www.sgs.com



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	-
		Direct emissions from mobile combustion	9.1970
		Direct process emissions and removals from industrial processes	-
		Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	93.5524
		Direct emissions and removals from land use, land use change and forestry	-
Indirect emissions	Imported energy	Electricity emissions	1,623.4599
	Transportation	Employee business travel (airplane, high-speed rail, Private car)	43.9338
	Products used by an organization	Upstream purchase of goods (photocopy paper);	1.2261
	Associated with the use of products from the organization	Subsidiary investment emissions (eMemory Japan Corporation , PUF security Corporation)	11.3471
	Other sources	NA	-
Direct emissions and indirect emissions			1,782.716

SGS has been contracted by eMemory Technology Inc. (hereinafter referred to as “eMemory Technology”), 8F, NO.5, TAI-YUAN 1ST ST., JHUBEI CITY, HSINCHU COUNTY 30288, TAIWAN for the verification of direct and indirect Greenhouse Gas emissions in accordance with

ISO 14064-3:2019

as provided by eMemory Technology Inc. (hereinafter referred to as “eMemory Technology”), 8F, NO.5, TAI-YUAN 1ST ST., JHUBEI CITY, HSINCHU COUNTY 30288, TAIWAN, in the GHG Statement in the form of GHG report.

Roles and responsibilities

- The management of eMemory Technology 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 eMemory Technology and SGS on 01 August 2023.
- Verification Criteria: ISO 14064-1:2018
- Verification Period: 14 May 2024 to 04 June 2024.

Scope

- GHG information for the following period was verified: 01 January 2023 to 31 December 2023
- Location/boundary of the activities:
 - 8F, No.5, Tai-Yuan 1st St., Jhubei City, Hsinchu County 302082, Taiwan
 - 1F, No. 36, Tai-Yuan St., Jhubei City, Hsinchu County 302082, Taiwan
 - Room 305, No. 47, Yuanqu 2nd Road, Hsinchu Science Park, Hsinchu City, 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 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 basic emission factor of each electric power company published on the official website of the Ministry of the Environment of Japan in 2023 (0.492 kgCO₂e/kwh).
 - The secondary database has Carbon Footprint Information Platform, ICAO.

- The level of assurance agreed is limited assurance.
- Materiality : 5%
- The version of inventory sheet: 2024.06.11
- The version of GHG statement: 2024.06.11
- 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 1,782.716 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		Description	GHG Emissions
Inventory categories			
Direct emissions		Direct emissions from stationary combustion	-
		Direct emissions from mobile combustion	9.1970
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	Transportation	Employee business travel (airplane, high-speed rail, Private car)	43.9338
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	Other sources	NA	-
Direct emissions and indirect emissions			1,782.716

- 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.
 - Some activity data filling errors and emission factors citation errors have been corrected to conform to the current situation.
- 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 eMemory Technology 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: *Dr. M. Lu.*

Verifier: *Sophia Chui* *William Li*

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 eMemory Technology Inc., 8F, NO.5, TAI-YUAN 1ST ST., JHUBEI CITY, HSINCHU COUNTY 30288, 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.