

Greenhouse Gas Verification Opinion

The inventory of Greenhouse Gas emissions in year 2023 of

ADATA Technology Co., Ltd.

2F, No. 258, Lian Cheng Rd., Zhonghe District,
New Taipei City, Taiwan

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

ISO 14064-1:2018

Direct emissions

78.0593 tonnes of CO₂e

Indirect emissions

128,358.6522 tonnes of CO₂e

Direct emissions and indirect emissions

128,436.712 tonnes of CO₂e

Authorized by

Stephen Pao

Business Assurance Director

Date: 24 July 2024

Version 1

TGP56B-15-1 2404

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	0.0086	
	Direct emissions from mobile combustion	48.0158	
	Direct process emissions and removals from industrial processes	30.0349	
	Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	0.0000	
	Direct emissions and removals from land use, land use change and forestry	0.0000	
Indirect emissions	Imported energy	Electricity emissions	924.5208
	Transportation	Downstream Product transportation (land/ sea/air)	9,452.2847
	Products used by an organization	1.The manufacturing stage of energy goods (electricity) 2.Purchased goods (Raw materials)	37,526.4648
	Associated with the use of products from the organization	Product use End of Product Life Disposal	80,455.3819
	Other sources	NA	–
Direct emissions and indirect emissions		128,436.712	

SGS has been contracted by ADATA TECHNOLOGY CO., LTD. (hereinafter referred to as “ADATA”), 2F, NO. 258, LIAN CHENG RD., ZHONGHE DISTRICT, NEW TAIPEI CITY, TAIWAN. for the verification of direct and indirect Greenhouse Gas emissions in accordance with

ISO 14064-3:2019

as provided by ADATA TECHNOLOGY CO., LTD. (hereinafter referred to as “ADATA”), 2F, NO. 258, LIAN CHENG RD., ZHONGHE DISTRICT, NEW TAIPEI CITY, TAIWAN., in the GHG Statement in the form of GHG report.

Roles and responsibilities

- The management of ADATA 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 ADATA and SGS on 05 July 2023.
- Verification Criteria: ISO 14064-1:2018
- Verification Period: 03 June 2024 to 21 June 2024.

Scope

- GHG information for the following period was verified: 01 January 2023 to 31 December 2023
- Location/boundary of the activities:
 - 2F, 18F, No. 258, Liancheng Rd., Zhonghe Dist., New Taipei City. Taiwan
 - 8F, 18F, No. 268, Liancheng Rd., Zhonghe Dist., New Taipei City, Taiwan
 - 1F, No.262-1&262-2 Liancheng Rd., Zhonghe Dist., New Taipei City, Taiwan
 - 10F-1, 10F-2, 10F-3, 10F-4, 18F, No. 736, Zhongzheng Rd., Zhonghe Dist., New Taipei City, Taiwan
 - 3F, No. 119, Jiankang Rd., Zhonghe Dist., New Taipei City. Taiwan
 - 3F, No. 135, Jian 1st Rd., Zhonghe Dist., New Taipei 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 secondary database has Carbon Footprint Information Platform, Ecoinvent 3.10
- 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: 2024.6.21
- The version of GHG statement: 2024.6.21
- 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 128,436.712 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	0.0086
	Direct emissions from mobile combustion	48.0158

		Direct process emissions and removals from industrial processes	30.0349
		Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	0.0000
		Direct emissions and removals from land use, land use change and forestry	0.0000
Indirect emissions	Imported energy	Electricity emissions	924.5208
	Transportation	Downstream Product transportation (land/ sea/air)	9,452.2847
	Products used by an organization	1.The manufacturing stage of energy goods (electricity) 2.Purchased goods (Raw materials)	37,526.4648
	Associated with the use of products from the organization	Product use End of Product Life Disposal	80,455.3819
	Other sources	NA	-
Direct emissions and indirect emissions			128,436.712

- 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 ADATA 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: *Bo-Min Lu*

Verifier: *Mark Kong* *Chris Hsieh*

Verifier: *Eva Lo* *Chao-tai*

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 ADATA TECHNOLOGY CO., LTD., 2F, No. 258, Lian Cheng Rd., Zhonghe District, New Taipei City, 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.