

Greenhouse Gas Verification Opinion

The inventory of Greenhouse Gas emissions in year 2023 of

GRAPE KING BIO LTD.

No. 402, Sec. 2, Jinling Rd., Pingzhen Dist.,
Taoyuan City



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

ISO 14064-1:2018

Direct emissions

6,184.3812 tonnes of CO₂e

Indirect emissions

36,742.6871 tonnes of CO₂e

Direct emissions and indirect emissions

42,927.068 tonnes of CO₂e

Authorized by



Stephen Pao

Business Assurance Director

Date: 11 September 2024

Version 1

TGP56B-15-1 2404

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Opinion TW24/00562GG, continued

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	3,896.0365
		Direct emissions from mobile combustion	62.7065
		Direct process emissions and removals from industrial processes	755.0235
		Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	1,470.6147
		Direct emissions and removals from land use, land use change and forestry	N/A
Indirect emissions	Imported energy	Imported electricity	15,425.4568
	Transportation	(not significant)	N/A
	Products used by an organization	Energy upstream Purchased goods Waste treatment	21,317.2304
	Associated with the use of products from the organization	(not significant)	N/A
	Other sources	(not significant)	N/A
Direct emissions and indirect emissions			42,927.068

The emission of each site is described as below:

Unit: tonnes of CO₂e

Site	Direct emissions	Indirect emissions		Total GHG emissions
	Category 1	Category 2	Category 3~6	
Grape King Bio Headquarters(Inculde Rivershine Co. Ltd)	721.8111	3,480.9216	7,540.4883	11,743.221
Grape King Bio Zhongli Factory	3,125.9342	7,175.0536	12,104.5712	22,405.559
Grape King Biotech Research Institute	2,159.2825	3,767.5404	1,449.3553	7,376.178

Opinion TW24/00562GG, continued

Grape King Bio Distribution Center	22.4428	117.9448	28.6843	169.072
Grape King Bio Taipei Sales Office	29.3295	51.9688	17.6490	98.947
Grape King Bio Telesales Center	0.1542	9.4112	2.8156	12.381
Grape King Bio Park	124.5245	813.3216	171.6112	1,109.457
Grape King Health And Vitality Power Center	0.9024	9.2948	2.0555	12.253

SGS has been contracted by GRAPE KING BIO LTD (hereinafter referred to as "GRAPE KING"), No. 402, Sec. 2, Jinling Rd., Pingzhen Dist., Taoyuan City for the verification of direct and indirect Greenhouse Gas emissions in accordance with

ISO 14064-3:2019

as provided by GRAPE KING BIO LTD (hereinafter referred to as "GRAPE KING"), No. 402, Sec. 2, Jinling Rd., Pingzhen Dist., Taoyuan City, in the GHG Statement in the form of GHG report.

Roles and responsibilities

- The management of GRAPE KING 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 GRAPE KING and SGS on 25 August 2023.
- Verification Criteria: ISO 14064-1:2018
- Verification Period: 26 July 2024 to 16 August 2024.

Scope

- GHG information for the following period was verified: 01 January 2023 to 31 December 2023
- Location/boundary of the activities:
 - Grape King Bio Headquarters(Inculde Rivershine Co. Ltd): No. 402, Sec. 2, Jinling Rd., Pingzhen Dist., Taoyuan City
 - Grape King Bio Zhongli Factory: No. 60, Sec. 3, Longgang Rd., Zhongli Dist., Taoyuan City
 - Grape King Biotech Research Institute: No. 68 & No. 70, Longyuan 1st Rd., Longtan Dist., Taoyuan City
 - Grape King Bio Distribution Center: No. 466, Sec. 2, Xinsheng Rd., Zhongli Dist., Taoyuan City
 - Grape King Bio Taipei Sales Office: 11F, No. 18, Jinzhuang Rd., Neihu Dist., Taipei City
 - Grape King Bio Telesales Center: 3F, No. 10, Ln. 27, Linyi St., Zhongzheng Dist., Taipei City
 - Grape King Bio Park: No. 8, Gongye 1st Rd., Pingzhen Dist., Taoyuan City

Opinion TW24/00562GG, continued

- Grape King Health And Vitality Power Center: C3 Booth, No.1, Sec. 1, Taiwan Blvd., Central Dist., Taichung City
- 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, Ecoinvent3.9.1
- 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: 20240816S2
- The version of GHG statement: 20240816S2
- 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 42,927.068 metric tonnes of CO₂ equivalent
- The emissions from the combustion of biomass is 0.0000 metric tonnes of CO₂ equivalent

Opinion TW24/00562GG, continued

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- 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.
 - Categories of some sources have been clarified.
 - Some quantification approaches have been clarified and reported.
 - Some activity data have been modified.
 - 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 GRAPE KING as a whole.

Opinion TW24/00562GG, continued

Verifier Group

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

Lead Verifier:

Dave Lin

Verifier:

Sunny Chung

Kyle Tang

Eva Lo

Mike Huang

Jim Tsai

Chris Hsieh

Jacky Chen

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 GRAPE KING BIO LTD., No. 402, Sec. 2, Jinling Rd., Pingzhen Dist., Taoyuan City, 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.