



# ASSURANCE STATEMENT

## SGS (THAILAND) LIMITED'S REPORT ON SUSTAINABILITY ACTIVITIES IN MITR PHOL SUGAR CORPORATION LIMITED'S SUSTAINABILITY REPORT FOR 2022

### NATURE OF THE ASSURANCE/VERIFICATION

SGS (Thailand) Limited (hereinafter referred to as SGS) was commissioned by Mitr Phol Sugar Corporation Limited (hereinafter referred to as Mitrphol) to conduct an independent assurance of Mitr Phol Group's Sustainability Report 2022 and the Sustainability Report webpage (hereinafter referred to as the Sustainability Report).

### INTENDED USERS OF THIS ASSURANCE STATEMENT

This Assurance Statement is provided with the intention of informing all Mitrphol's Stakeholders.

### RESPONSIBILITIES

The information in the Sustainability Report and its presentation are the responsibility of the directors or governing body (as applicable) and the management of Mitrphol. SGS has not been involved in the preparation of any of the material included in the Report.

Our responsibility is to express an opinion on the text, data, graphs and statements within the scope of verification with the intention to inform all Mitrphol's stakeholders.

### ASSURANCE STANDARDS, TYPE AND LEVEL OF ASSURANCE

The SGS ESG & Sustainability Report Assurance protocols used to conduct assurance are based upon internationally recognised assurance guidance and standards including the principles of reporting process contained within the Global Reporting Initiative Sustainability Reporting Standards (GRI Standards) GRI 1: Foundation 2021 for report quality, GRI 2 General Disclosure 2021 for organisation's reporting practices and other organizational detail, GRI 3 2021 for organisation's process of determining material topics, its list of material topics and how to manages each topic, and the guidance on levels of assurance contained within the AA1000 series of standards.

The assurance of this report has been conducted according to the following Assurance Standards:

Assurance Standard Options		Level of Assurance
A	AA1000ASv3 Type 2 (AA1000AP Evaluation plus evaluation of Specified Performance Information)	Moderate

Assurance has been conducted at a moderate (limited) level of scrutiny.

## SCOPE OF ASSURANCE AND REPORTING CRITERIA

The scope of the assurance included evaluation of quality, accuracy and reliability of specified performance information as detailed below and evaluation of adherence to the following reporting criteria:

Reporting Criteria Options	
1	GRI Standards 2021 (In Accordance with)
2	AA1000 Accountability Principles (2018)

## SPECIFIED PERFORMANCE INFORMATION AND DISCLOSURES INCLUDED IN SCOPE

Mitrphol's Sustainability Report are adequately in line with the Sustainability Reporting Standard and fulfills all the required content and quality criteria for the identified aspects listed as below;

- a) Environmental dimension performance indicators expressed numerically or in descriptive text
  - Energy consumption within organisation
  - Water withdrawal
  - Water discharge
  - Water consumption
  - Greenhouse gas emissions scope 1 & 2 & 3
  - Waste generated
  - Waste diverted from disposal
  - Waste directed to disposal
- b) Social dimension performance indicators expressed numerically or in descriptive text
  - Number and rate of fatality work-related Injury, lost time injury, recordable work-related Injury and number of hours worked

## ASSURANCE METHODOLOGY

The assurance comprised a combination of pre-assurance research, interviews with relevant employees, superintendents and the management. Documentation reviewed and recorded were carried out onsite visit and remotely. The validation with external bodies and/or stakeholders where relevant and interview the person in charge of producing the report were also carried out remotely for the same reason.

SGS's assurance engagements are carried out in accordance with assurance procedure.

The assurance comprised a combination of

- Mitrphol's Management interviews, including the Corporate Sustainability team with responsibility for performance in the areas within scope
- Interview with data owners and managers responsible for internal data collection and reporting databases
- Document review of relevant systems, policies, and procedures where available
- Understanding, analysing and sample testing the key data collection, aggregation, validation and reporting systems, processes, procedures, and controls
- Sampling evidence to confirm the reliability of the selected reporting standards, selected 8 sites for onsite visit and remote audit as below:
  - Rai Dan Chang Co., Ltd.
  - Productivity Plus Co., Ltd. (Dan Chang)
  - Mitr phol BioFuel Co., Ltd. (Dan Chang)
  - Mitr Phol Bio-Power (Dan Chang) Co., Ltd.
  - Mitr Phol Sugar Coporation Co., Ltd. (Dan Chang)
  - Aawthai Warehouse Co., Ltd.
  - Panel Plus Bio-Power Co., Ltd.
  - United Farmer and Industry Co., Ltd. (Phukhideo)

## LIMITATIONS AND MITIGATION

Financial data drawn directly from independently audited financial accounts has not been checked back to source as part of this assurance process.

Some statements and data within the scope were not assured due to lack of accessible records during the time scale allowed for assurance, and these are clearly marked throughout the Report.

#### **STATEMENT OF INDEPENDENCE AND COMPETENCE**

The SGS Group of companies is the world leader in inspection, testing and verification, operating in more than 140 countries and providing services including management systems and service certification; quality, environmental, social and ethical auditing and training; environmental, social and sustainability report assurance. SGS affirms its independence from Mitrphol, being free from bias and conflicts of interest with the organisation, its subsidiaries and stakeholders.

The assurance team was assembled based on their knowledge, experience and qualifications for this assignment, and comprised auditors experienced in one or more of the following standards; AA1000, GRI, ISO 9001, ISO 14001, ISO 45001, ISO 50001, ISO 14064-1, ISO 14067, ISO 26000, SA 8000, GHG Verification/Validation and experience on the SRA Assurance service provisions.

#### **FINDINGS AND CONCLUSIONS**

##### **ASSURANCE/VERIFICATION OPINION**

On the basis of the methodology described and the verification work performed, we are satisfied that the specified performance information included in the scope of assurance is accurate, reliable, has been fairly stated and has been prepared, in all material respects, in accordance with the reporting criteria. We believe that the organisation has chosen an appropriate level of assurance for this stage in their reporting.

##### **QUALITY AND RELIABILITY OF SPECIFIED PERFORMANCE INFORMATION**

The material topics and their boundaries are properly defined in accordance with GRI's Reporting Principles for Defining Report Content. In year 2022, Mitrphol has expanded the assured performance data to associated company. For future reporting, more descriptions of Mitrphol and subsidiaries' involvement with mechanism for internal audit on the data performance should be established to maintain the system in place.

#### **ADHERENCE TO AA1000 ACCOUNTABILITY PRINCIPLES STANDARD (2018)**

##### **INCLUSIVITY**

Mitrphol identified the relationships between social needs and various media such as GRI Standards, SDGs, United Nations Global Compact (UNGC), and Dow Jones Sustainability Index (DJSI), and enhanced to address social issues and social value creation as the business issues. All relevant targets of stakeholders, such as customers, shareholders, investors, suppliers, farmer, employees, NGO and students, are identified, and communication activities were carried out with external experts. Needs and expectations received from stakeholders have been incorporated into the organisation through the communication processes above, and the actions are being considered.

Sustainability issues are integrated into the business issues, and the organisation takes actions by appropriately discussing among executives and reporting the issues approved by director in charge of sustainable management to the Board of Directors.

##### **MATERIALITY**

Material topics have been identified in consideration of the requirements of international guidelines and stakeholder engagement. The identified topics are deliberated on by external experts and the Corporate Governance and Sustainability Committee to confirm the validity. The Corporate Governance and Sustainability Committee also regularly reviews the process for identifying material topics. The issues that are material to each stakeholder group are reported in appropriateness, and reflected their importance and priority.

##### **RESPONSIVENESS**

Initiatives that address material topics are reported to stakeholders by disclosure in the report. The report also shows the relationship between these topics and the SDGs. The targets and the results for identified topics are

also disclosed in the report.

### IMPACT

Risk evaluation has been demonstrated to identify environmental, social and governance impacts. Performance results related to key issues are reported in the Sustainability Report. Sustainability performances identified have been disclosed changes in data over time. Target setting and performance status in qualitative and quantitative have been measured and reported for material topics.

### GRI Standards 2021

The report is adequately in line with the GRI Standards 2021 (in Accordance with). The material topics and their boundaries within and outside of the organization are properly defined in accordance with GRI's Reporting Principles for Defining Report Content. Disclosures of identified material topics and boundaries, and stakeholder engagement, GRI 1, GRI 2 and GRI3, are correctly located in content index and report.

Signed:

For and on behalf of SGS (Thailand) Limited



Montree Tangtermsirikul

General Manager

100 Nanglinchee Road Chongnonsee Yannawa, Bangkok 10120 Thailand

26 September 2023

[WWW.SGS.COM](http://WWW.SGS.COM)



**AA1000**  
Licensed Report  
000-8/V3-JXZ3E



**Greenhouse Gas Verification Statement Number**  
**TH-IE-23-5006931-001**

The inventory of Greenhouse Gas emission in period  
 01/01/2022 – 31/12/2022 of

**Mitr Phol Sugar Corporation Limited**

2 Ploenchit Center Building, 3<sup>rd</sup> Floor, Sukhumvit Road, Klongtoey, Bangkok 10110, Thailand  
 (Details are available on page 4 of this statement)

has been verified in accordance with Verification Requirement of Carbon Footprint for Organization,  
 January 2017 and ISO 14064-3:2019 as meeting the requirements of

**Carbon Footprint for Organization**  
**by Thailand Greenhouse Gas Management Organization**

(Accounting and Reporting Requirements of Carbon Footprint for Organization Version 6, July 2022)

Scope1 (Direct GHG Emissions and Removals) = 565,423 tCO<sub>2</sub>e

Scope2 (Energy Indirect GHG Emissions) = 78,152 tCO<sub>2</sub>e

Scope3 (Other Indirect GHG Emissions) = 1,776,665 tCO<sub>2</sub>e

**For the following activities:**

**Farming, Sugar Manufacturing, Renewable Energy Generation, Ethanol Manufacturing, Wood  
 Substitute Materials Manufacturing, Fertilizer Manufacturing, Logistic and Warehouse**

Authorised by



Amnat Pisutrin  
 General Manager, SGS (Thailand) Limited  
 Date: 25/09/2023

SGS (Thailand) Limited, 100 Nanglinchee Road, Chongnonsi, Yannawa, Bangkok 10120, THAILAND

This Statement is not valid without the full verification scope, objectives, criteria and level of assurance  
 available on pages 2 to 4 of this Statement.

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## Schedule Accompanying Greenhouse Gas Verification Statement TH-IE-23-5006931-001

### Brief Description of Verification Process

SGS (Thailand) Limited hereinafter referred to as "SGS" has been contracted by Mitr Phol Sugar Corporation Limited hereinafter referred to as "Mitr Phol Group", for the verification of direct and indirect Greenhouse Gas Emissions in accordance with:

Carbon Footprint for Organization by Thailand Greenhouse Gas Management Organization (CFO by TGO) as provided by Mitr Phol in their Greenhouse Gas (GHG) Assertion covering GHG emissions of the period 01/01/2022 – 31/12/2022.

### Roles and Responsibilities

The management of Mitr Phol Group 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.

It is SGS' responsibility to express an independent GHG verification opinion on the GHG emissions as provided in the GHG Assertion for the period 01/01/2022 – 31/12/2022.

SGS conducted a third party verification in the period of April 2023 to August 2023. The verification was based on the verification scope, objectives and criteria as agreed between Mitr Phol Group and SGS in Agreement Date 25/04/2023. The assessment included a desk review, responsible person interviewing and verification of organisation's activities data.

### Level of Assurance

The level of assurance agreed is that of Limited assurance

Mitr Phol Group has commissioned an independent verification by SGS of reported GHG emissions of Mitr Phol Group arising from Farming, Sugar Manufacturing, Renewable Energy Generation, Ethanol, Wood Substitute Materials, Fertilizer Manufacturing, Logistic and Warehouse and associated activities, to establish conformance with the requirements of Carbon Footprint for Organization by Thailand Greenhouse Gas Management Organization within the scope of the verification as outlined below. Data and information supporting the GHG assertion were historical in nature and proven by evidence.

This engagement covers verification of emissions from anthropogenic sources of greenhouse gases included within organization's boundary and meets the requirements of Carbon Footprint for Organization by Thailand Greenhouse Gas Management Organization and ISO 14064-3:2019.

- The organizational boundary was established following: Control Approach (Operational Control)
  - Title or description activities: Farming, Sugar Manufacturing, Renewable Energy Generation, Ethanol Manufacturing, Wood Substitute Materials Manufacturing, Fertilizer Manufacturing, Logistic and Warehouse.
  - Location/boundary of the activities: 2 Ploenchit Center Building, 3rd Floor, Sukhumvit Road, Klongtoey, Bangkok 10110.
- Physical infrastructure, activities, technologies and processes of the organization: Offices, Production areas, Farming, Wastewater Treatment Plant, Warehouse and Maintenance shop.
  - Types of GHGs included: CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub>, NF<sub>3</sub>
    - GHG sources, sinks and/or reservoirs included:
      - Scope 1 – Stationary combustion, Mobile combustion, Process emission and Fugitive emission;
      - Scope 2 – Purchased electricity;
      - Scope 3 – Category1: Purchased goods and services, Category4: Upstream transportation and distribution, and Category9: Downstream Transportation and Distribution .
  - GHG information for the following period was verified: 01/01/2022 – 31/12/2022.
  - Intended user of the verification statement: Client internal use, stakeholders communication and registration with TGO.



## 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 assertion
- That the data reported are accurate, complete, consistent, transparent and free of material error or omission.

## Criteria

Criteria against which the verification assessment is undertaken are Verification Requirement of Carbon Footprint for Organization, January 2017, Accounting and Reporting Requirements of Carbon Footprint for Organization Version 6, July 2022 and ISO 14064-3:2019.

## Materiality

The materiality required of the verification was considered at 5% based on the needs of the intended user of the GHG Assertion.

## Conclusion

Mitr Phol Group provided the GHG Assertion based on the requirements of Carbon Footprint for Organization by Thailand Greenhouse Gas Management Organization.

The GHG information for the period 01/01/2022 – 31/12/2022 disclosing emissions of

Scope1 - 565,423 metric tonnes of CO2 equivalent,

Scope2 - 78,152 metric tonnes of CO2 equivalent,

Scope3 - 1,776,665 metric tonnes of CO2 equivalent,

and gross emissions of 643,575 metric tonnes of CO2 equivalent (Scope1 and 2) or 2,420,240 metric tonnes of CO2 equivalent (Scope1, 2 and 3) are verified by SGS to a Limited level of assurance, consistent with the agreed verification scope, objectives, and criteria.

SGS' 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 risks. Our examination included assessment, on a sample basis, of evidence relevant to the amounts and disclosures in relation to the organization's reported GHG emissions.

Based on the process and procedures conducted, there is no evidence that the GHG assertion

— is not materially correct and is not a fair representation of GHG data and information, and

— has not been prepared in accordance with the related International Standard on GHG quantification, monitoring and reporting, or to relevant national standards or practices.

We planned and performed our work to obtain the information, explanations and evidence that we considered necessary to provide a Limited level of assurance that the GHG emissions for the period 01/01/2022 – 31/12/2022 are fairly stated.

This statement shall be interpreted with the Greenhouse Gas Assertion of Mitr Phol as a whole.

## Limitation

Note: This Statement is issued, on behalf of Client, by SGS (Thailand) Limited ("SGS") under its General Conditions for GHG Validation and Verification Services available at <https://www.sgs.com/en/terms-and-conditions>. The findings recorded hereon are based upon an audit performed by SGS. A full copy of this statement, the findings and the supporting GHG Assertion may be consulted at Mitr Phol Sugar Corporation Limited at 2 Ploenchit Center Building, 3rd Floor, Sukhumvit Road, Klongtoey, Bangkok 10110, Thailand. This Statement does not relieve Client from compliance with any by laws, 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.



## Location/boundary of the activities:

### Farming Business

1. Rai Dan Chang Company Limited

2. Rai E-Sarn Company Limited

### Sugar Business

1. Mir Phol Sugar Corporation Company Limited
3. Singburi Sugar Company Limited
5. United Farmer and Industry Company Limited (Phukhieo)
7. United Farmer and Industry Company Limited (Phuviang)

2. United Farmer and Industry Company Limited (Phuluang)
4. Mitr Kalasin Sugar Company Limited
6. Mitrphol Sugar (Amnat Charoen)

### Renewable Energy Business

#### Electricity Generation

1. Mitr Phol Bio - Power (Dan Chang) Company Limited
3. Mitr Phol Bio - Power Company Limited
5. Mitr Phol Bio - Power (Phuviang) Company Limited
7. Mitr Phol Bio - Power (Kalasin) Company Limited

2. Mitrphol Bio - Power (Phuluang) Company Limited
4. Mitrphol Bio - Power (Kuchinarai) Company Limited
6. Mitrphol Bio - Power (Amnat Charoen) Company Limited
8. Mitrphol Specialty Biotec Company Limited

#### Ethanol

1. Mitr Phol Bio Fuel Company Limited
3. Mitr Phol Bio Fuel (Chaiyaphum) Company Limited
5. Mitr Phol Bio Fuel (Kalasin) Company Limited

2. Mitr Phol Bio Fuel (Kuchinarai) Company Limited
4. Maesod Clean Energy Company Limited

### Renewable Energy

1. Power Prospect Company Limited
3. Ratchasima Green Starch Company Limited
5. Betong Green Power Company Limited
7. Green Pharmahol Company Limited

2. Bangkok Alcohol Industrial Company Limited
4. Kanpaengpetch Green Energy Company Limited
6. Apcon Renewable Energy Company Limited
8. MP Apcon Operations Company Limited

### Wood substitute materials business

1. Panel Plus Company Limited
3. Panel Décor Company Limited
5. Panel Plus MDF Company Limited

2. Panel Plus Bio-Power Company Limited
4. MP Particle board Company Limited
6. Panel Design Lab Company Limited

### Fertilizer Business

1. Productivity Plus Company Limited (Dan Chang)
3. Productivity Plus Company Limited (Phukhieo)

2. Productivity Plus Company Limited (Saraburi)
4. Productivity Silo Company Limited

### Logistics and Warehouse Business

1. United Standard Terminal Public Company Limited
3. Mitrphol Warehouse Company Limited

2. Aawthai Warehouse Company Limited
4. Fair Fst Company Limited

### Other Business

1. Mitrphol Sugarcane Research Center Company Limited
3. Thai Environmental and Energy Development Company Limited

2. Health Innotech Company Limited
4. Eto-Huay Kasin Valley Company Limited