



Verification
of Greenhouse
Gas Emissions

Verification Statement

No 200701

The inventory of Greenhouse Gas emissions in year **2019** of

THRACE GREENHOUSES S.A.

Neo Erasmio, Xanthi, Greece



has been verified in accordance with ISO 14064-3:2019

as meeting the requirements of

ISO 14064-1:2018

Total emissions: 797 tn of CO₂eq

Level of assurance: Reasonable level of assurance

Authorized by

Kostas Antoniadis
Managing Partner
Date: 09.07.2020



EMICERT has been contracted by THRACE GREENHOUSES S.A. (hereinafter referred to as the “Company”), Neo Erasmio, Xanthi, Greece, for the verification of Greenhouse Gas emissions in accordance with **ISO 14064-1: 2018** as provided by the Company, in the GHG Assertion in the form of GHG report covering GHG emissions of the year 2019 (01/01/2019-31/12/2019).

1. Roles and responsibilities

The management of the Company 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 EMICERT’s responsibility to express an independent GHG verification opinion on the GHG emissions as provided in the GHG Assertion for the year 2019.

EMICERT conducted a third party verification of the provided GHG assertion against the principles of ISO 14064-1:2018 and ISO 14064-3:2019 for the year 2019. The verification was based on the verification scope, objectives and criteria as agreed between the Company and EMICERT.

2. Level of Assurance

The level of assurance agreed is that of **reasonable assurance**. This means that the nature and extent of the verification activities have been designed to provide a high but not absolute level of assurance on historical data and information.

3. Scope

The Company has commissioned an independent verification by EMICERT of reported GHG emissions of the Company arising from processes and services regarding the “cultivation, storage and packaging of Greenhouse tomatoes and cucumbers”, to establish conformance with ISO 14064 principles within the scope of the verification as outlined below.

This engagement covers verification of emission from anthropogenic sources of greenhouse gases included within the organization’s boundary and is based on ISO 14064-1:2018.

- Title or description activities: GHG verification of the Company’s footprint for year 2019
- Location/boundary of the activities: Neo Erasmio, Xanthi, Greece
- Physical infrastructure, activities, technologies and processes of the operation: Cultivation, storage and packaging of Greenhouse tomatoes and cucumbers. Total arable land: 16 ha. Tomatoes cover 9,5 ha (5 ha cluster tomatoes and 4,5 ha BEEF tomatoes) and cucumbers 6,5 ha (5,5 ha cucumber and 1 ha Knossos cucumber).
- GHG sources included: Sources as presented in the inventory spreadsheet provided by the Company
- Category 1 (Direct GHG emissions – “Scope 1”): Fuel used in the greenhouse (Diesel oil and gasoline)
- Category 2 (Indirect GHG emissions from imported energy – “Scope 2”): Imported electricity used in the greenhouse

- Category 3 (Indirect GHG emissions from transportation – part of “Scope 3”): Upstream transportation of fertilisers, stonewool and packaging material)
- Category 4 (Indirect GHG emissions from products used by organization – part of “Scope 3”): Fertilisers, insecticides, fungicides and stonewool used for the cultivation and packaging material used for packaging
- Types of GHGs included: CO₂, CH₄, N₂O
- GHG information for the following period was verified: Full year 2019
- Intended use of the verification statement: Private

4. Objective

The purposes of this verification exercise are, by review of objective evidence, to independently review:

- Whether the GHG emission are as declared by the organization’s GHG assertion
- The data, reported are accurate, complete, consistent, transparent and free of material error or omission.

5. Criteria

Criteria against which the verification assessment is undertaken are the principles of ISO 14064-1:2018 and ISO 14064-3:2019.

Among these criteria, the principles and requirements of the following methodologies have been considered:

1. Specification for the assessment of the Life Cycle Greenhouse Gas Emissions of goods and services according to PAS 2050:2011
2. Greenhouse Gas (GHG) Protocol - A Corporate Accounting and Reporting Standard, Revised Edition
3. GHG Protocol Agricultural Guidance

6. Materiality

The materiality level of the verification was agreed to 5%, based on the needs of the intended use of the GHG Assertion.

7. Confidentiality

The reports and attachments may contain relevantly confidential information of the Company. 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 Company’s agreement in written form.

8. Conclusion

The Company provided the GHG assertion based on the requirements of ISO14064-1:2018. The GHG information for the cultivation, storage and packaging of greenhouse tomatoes and cucumbers for the year 2019 disclosing emission of **797 tonnes of CO₂ equivalent** are verified by EMICERT to a reasonable level of assurance, consistent with the agreed verification scope, objectives and criteria.

According to calculations provided by the company, the total emissions can be alternatively presented as 112 grCO_{2e}/kg cluster tomato, 113 grCO_{2e}/kg beef tomato, 112 grCO_{2e}/kg cucumber and 125 grCO_{2e}/kg Knossos cucumber.

EMICERT'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 of the organization's disclosures in relation to the organization's reported GHG emissions.

We planned and performed our work to obtain the information, explanations and evidence that we considered necessary to provide a reasonable level of assurance that the GHG emissions for the cultivation, storage and packaging of greenhouse tomatoes and cucumbers for the year 2019 are fairly stated.

We conducted our verification regarding the GHG assertion of the Company which included assessment of GHG information system, monitoring and reporting plan/protocol. This assessment included the collection of evidence supporting the reported data and checking whether the provisions of the monitoring plan, were consistently and appropriately applied.

In EMICERT's opinion the presented GHG assertion

- is materially correct and is a fair representation of the GHG data and information and
- is prepared in accordance with ISO14064-1:2018 on GHG quantification, monitoring and reporting.



Kostas Antoniadis
Managing Partner

