



# ISO 14064-1:2018 Verification Statement

## Revision 0

### INSTITUTE

**Limak Çimento San. ve Tic. A.Ş.**  
**- Şanlıurfa**

**Report Author**

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## Verification Statement

<b>Institute</b>	Limak Çimento San. ve Tic. A.Ş. – Şanlıurfa		
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<b>Third party Verification Body</b>	QSI Belgelendirme, Muayene ve Test Hizmetleri Ltd. Şti		
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<b>Indipendent Reviewer</b>	Bengi ÇİFTÇİ		
<b>Statement No</b>	SG-GNL-118 / 2022		
<b>Statement Date</b>	24.07.2023		
<b>Scope</b>	Cement production		
<b>Verification Period</b>	01.01.2022 – 31.12.2022		
<b>Verification Criteria</b>	ISO 14064-1:2018, ISO 14064-3:2019		

<b>The Aim &amp; Scope of the Verification</b>	Independently and objectively monitoring the compliance of the emissions, directly and indirectly controlled by the establishment, with the requirements of the greenhouse gas reporting standard EN ISO 14064-1:2018
<b>Method Used</b>	Based on Calculation
<b>Consolidate Methode</b>	<input checked="" type="checkbox"/> Operational Control <input type="checkbox"/> Financial Control <input type="checkbox"/> Equity Share
<b>Level of Assurance &amp; Materiality</b>	<input checked="" type="checkbox"/> Verified at Reasonable Assurance Level (5%) <input type="checkbox"/> Verified at Limited Assurance Level
<b>Evaluation by Verification Criteria</b>	The evaluation made by the verification team suggests that the greenhouse gas report meets the verification criteria.
<b>Verification Result</b>	QSI confirms that the greenhouse gas statement report of the organization is prepared in accordance with the requirements of EN ISO 14064-1 for the above-mentioned verification period according to EN ISO 14064-3 standard & ISO 17029:2019 and ISO 14065:2020 principles.

## 1- Organisational Boundaries

Büyükkargılı, 63000 Şanlıurfa Merkez/Şanlıurfa

## 2- Reporting Boundaries

The organization has developed a risk-based method to determine indirect greenhouse gas emissions by importance criteria.

For indirect emissions in the less important category, they are included in the calculation if sufficient data is available.

Following the materiality analysis made by the organization, the following emissions have been taken into account.

Category 1 – Direct GHG emissions and removals

- 1.1 Stationary combustion
- 1.2 Mobile combustion
- 1.3 Process Emissions
- 1.4 Leakage (Refrigerants, Fire Extinguishers inventory)

Category 2 – Indirect greenhouse gas emissions from imported energy;

- 2.1 Electricity Consumption

Category 3 – Indirect greenhouse gas emissions from transportation;

- 3.1 Upstream Transport and Distribution
- 3.2 Downstream Transport and Distribution
- 3.3 Employee Commuting
- 3.5 Business Travel

Category 4 – Indirect greenhouse gas emissions from products used by the organization;

- 4.1 Purchased Goods
- 4.3 Waste Disposal

Category 5 – Indirect greenhouse gas emissions associated with the use of products from the organization;

- 5.1 Product Usage Phase
- 5.2 After Product Lifecycle

### **3- Exclusions from Reporting Boundary**

During the verification, Category 6 was not calculated because there was no other emissions.

### **4- NCN's**

There were no outstanding nonconformities.

### **5- Verification Explanation**

The purpose of the verification is to establish a reasonable trust level opinion on the above-mentioned greenhouse gas statements, including:

- a)** Compliance with the requirements of TS EN ISO 14064-1 standard,
- b)** The acceptability of the calculated emissions.

The verification activities are based on TS EN ISO 14064-3:2019. In this context, the following verification activities were carried out;

- Reviewing of documentation, controls and methods, including other verification reports,
- Preparation of the risk assessment and verification plan,
- Evaluation of greenhouse gas information management, documentation, records, controls and methods of the organization,
- Documentation of verification findings and observations in the verification report,
- Assessment and documentation of non-conformities and reconciliations of observations in the verification report,
- Preparing the verification statement and completing the verification.

During the verification process, a risk assessment was made, a sample plan and a verification plan were created, and within the framework of this planning, documents were reviewed and site visits were made for the following purposes;

- Selection and management of greenhouse gas information and data,
- Processes for collecting, processing, combining and reporting greenhouse gas information and data,
- Processes and systems created for the accuracy of greenhouse gas information and data,
- Studies conducted to design and maintain the greenhouse gas information system,
- Systems and processes that ensure the continuity of the greenhouse gas information system,
- Other systems supporting greenhouse gas information system
- Results of previous evaluations, if available and applicable

Findings determined during the document review and site visit were presented to the organization with the Greenhouse Gas Verification Correction Table. The purpose of presenting the verification findings is to agree on the greenhouse gas statement and to identify the issues that need to be clarified.

Correction actions (CA) have been reported and adjusted within the reporting period.

In addition, the verification team requested an explanation from the organization in cases where there was not enough or enough clear information to decide that the report meets the requirements of TS EN ISO 14064-1:2018.

The responses sent by the organization regarding the explanation and correction activities were evaluated and it was determined that the deficiencies that required explanation and correction were corrected.

The verification activity results and the verification report were subjected to a technical review and approved by the technical reviewer.

## **6- Greenhouse Gas Information System and Control**

In order to carry out the greenhouse gas information system and controls by the organization, a document system that explains how to document and archive including information management system activities consistent with the intended use of the greenhouse gas statement, which ensures the accuracy and completeness of the greenhouse gas statement and complies with the relevant principles of EN ISO 14064-1:2018 has been prepared.

Data collection, processing and reporting processes have been verified by field audits.

## **7- Methodology**

The calculation methodology is stated as multiplying the activity data by the emission factor.

TIER-1 is accepted in the calculation methods. However, TIER 2 approach is applied in electricity emission calculations.

Emission factors are compiled from IPCC, Cement Protocol Line-By-Line and DEFRA 2022. The electricity emission factor was compiled from national inventory. Emission factors for indirect emissions, and intensity and sub-thermal values are compiled from internationally recognized sources.

Greenhouse gases covered include the seven (7) greenhouse gases covered by the Kyoto Protocol ISO 14064-1: 2018, which are;

CO<sub>2</sub> carbon dioxide, CH<sub>4</sub> methane, N<sub>2</sub>O nitrous oxide, NF<sub>3</sub> nitrogen trifluorid, HFCs hydrofluorocarbons, PFCs perfluorocarbons, SF<sub>6</sub> sulphur hexafluoride.

## **8- Evaluation of GHG Statement**

The evidences obtained in the evaluation of the controls are sufficient according to the greenhouse gas data, information and the criteria of the current greenhouse gas program and support the greenhouse gas statement.

Total GHG Emissions : **1.104.528** t CO<sub>2</sub> eq

**Direct Emissions**

*Category 1- Direct Emissions* : 965.894 t CO<sub>2</sub> eq

**Indirect Emissions**

*Category 2- Emissions from imported energy* : 52.000 t CO<sub>2</sub> eq

*Category 3- Emissions from transportation* : 11.524 t CO<sub>2</sub> eq

*Category 4- Emissions from products / service used* : 73.639 t CO<sub>2</sub> eq

*Category 5- Emissions from associated with the use of the product / service* : 1.470 t CO<sub>2</sub> eq

*Category 6- Other* : Nil t CO<sub>2</sub> eq

**Anthropogenic biogenic GHG emission**

*Biogenic Emissions* : Nil t CO<sub>2</sub> eq

I-REC Referance Number :

**Approving The Report on Behalf Of QSI**

**Okay KAYHANLI**

**General Manager**

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