

Verification Opinion



23 June 2022
Opinion No : SGS22/014

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Objective

SGS Japan Inc. (hereinafter referred to as "SGS") was commissioned by Takasago International Corporation (hereinafter referred to as "the Organization") to conduct independent verification based on Criteria of Verification (ISO14064-3: 2019 and the SGS verification protocol) regarding the data prepared by the Organization on the scope of verification (hereinafter referred to as "the statement"). The objective of this verification is to confirm that the statement in the Organization's applicable scope has been correctly calculated and reported in the statement in conformance with the criteria, and to express our views as a third party. The organization is responsible for the preparation and fair presentation of the statement.

Scope

The scope of verification is Scope1 and 2 emissions, energy consumption, and Scope3 emissions.

The period subject to report is from 01 April 2021 to 31 March 2022.

Refer to the attached sheet for the detailed scope of verification.

Procedure of Verification

The statement was verified in accordance with Criteria of Verification, and the following processes were implemented at a limited level of assurance:

- Verification of the calculation system: Interviews on the measurement, tabulation, calculation and reporting methods employed by the Organization as well as review of related documents and records
- Verification of the statement: On-site verification and review of vouchers conducted at Corporate Research and Development Division and Hiratsuka Factory, and analytical procedures and interviews for other sites in the scope of verification carried out at the Headquarters.

The criteria for this review are based on the GHG Emissions Calculation and Reporting Manual Ver. 4.8, Basic Guidelines on Accounting for Greenhouse Gas Emissions throughout the Supply Chain, Ver. 2.4, Database of emissions unit values on the same Accounting Ver. 3.2 and the protocol specified by the Organization.

Conclusion

Within the scope of the verification activities employing the methodologies mentioned above, nothing has come to our attention that caused us to believe that the Organization's statement was not calculated and reported in conformance with the criteria.

SGS Japan Inc. affirms our independence from the organization, being free from bias and conflicts of interest with the Organization.

For and on behalf of SGS Japan Inc
Yokohama business Park North Square I
134, Good-cho, Hodogaya-ku, Yokohama
Senior Executive & Director
Knowledge

Yuji Takeuchi



The details of the scope of verification

The scope	The boundary	The statement
1 Scope 1 and 2 (energy related CO ₂ emissions) and energy consumption	*1Group A	Scope 1: 25,184 t-CO ₂ Scope 2: 31,503 t-CO ₂
2 Scope 1(non-energy related greenhouse gas emissions: carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride and nitrogen trifluoride.)	*1Group A	4,892 t-CO ₂
3 Scope 3 (Category 1)	*2Group B	831,002 t-CO ₂
4 Scope 3 (Category 2)	*3Group C	22,706 t-CO ₂
5 Scope 3 (Category 3)	*1Group A	12,843 t-CO ₂
6 Scope 3 (Category 4)	Limited to transportation between own facilities and shipping logistics within the scope of *2Group B	22,323 t-CO ₂
7 Scope 3 (Category 5)	*1Group A	6,564 t-CO ₂
8 Scope 3 (Category 6)	Defined by the Organization within the scope of *3Group C	488 t-CO ₂
9 Scope 3 (Category 7)	*1Group A	4,326 t-CO ₂
10 Scope 3 (Category 12)	*2Group B (domestic is limited to products sold by the Organization)	2,635 t-CO ₂
11 Scope 3 (Category 13)	*3Group C	67 t-CO ₂

*1Group A: 63 sites of the Organization and its group companies (Domestic: 23 sites, overseas; 40 sites)

*2Group B: Consolidated companies and non-consolidated subsidiaries subject to the equity method

*3Group C: Consolidated companies