

Certificate

Inventory Standard **ISO 14064-1:2018**
Certificate Registr. No. **CF 50594721 0001**
Report No. **48219832 001**

Certificate Holder: **TSEC Corporation**
No. 85, Guangfu N. Rd., Hukou Township, Hsinchu County 30351, Taiwan, R.O.C
Including the sites according to annex

Validation & Verification Site:

Validation & Verification Body: **TÜV Rheinland Taiwan Ltd.**

Validation & Verification Standard: ISO 14064-3:2019

Base year: - 2022 (2022.01.01~2022.12.31)

Validation & Verification year: - 2022 (2022.01.01~2022.12.31)

Programme: - Voluntary GHG scheme

Level of Assurance: - Reasonable

Consolidation methodology: - Operational Control

Materiality: - 5%

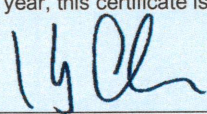
Type of Greenhouse Gases: - CO₂、CH₄、N₂O、HFCs、PFCs、SF₆、NF₃

Validation & Verification Scope: Based on the information we have received and evaluated that:

- Global warming potential (GWP): IPCC 2007, AR 4
 - The total carbon emission is 709,425.587 tonnes CO₂ equivalent (tCO₂e)
 - Category 1 Direct emission is 6,076.0641 tCO₂e
 - Category 2 Indirect Imported energy emission is 33,723.0157 tCO₂e
 - Category 3 Indirect Transportation emission is 144.7025 tCO₂e
 - Category 4 Indirect Products used by organization emission is 669,481.8044 tCO₂e
 - Category 5 Indirect Associated with the use of products from the organization emission is not quantified
 - Category 6 Indirect Other sources emission is not quantified
- Data and information
 - Historical in nature: Category 1 / 2
 - Historical in nature with scenario models: Category 3 / 4
- This certificate is a replacement of certificate issued on 2023-07-31. Only the accreditation logo has been adjusted, verification conclusion remains.

Validity: This certificate only reviewed the emissions data of inventory year, this certificate is not for the management systems certification.

2023-11-13


TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd., Taipei
105, Taiwan

This verification and validation is based on the information made available to TÜV Rheinland and the engagement conditions detailed above. Therefore, TÜV Rheinland cannot guarantee the accuracy or correctness of this information. TÜV Rheinland cannot be held liable by any party relying or acting upon this verification and validation

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Certificate

Inventory Standard **ISO 14064-1:2018**

Certificate Registr. No. **CF 50608108 0001**

Report No. **48219836 001**

Certificate Holder: **TSEC Corporation**
No. 335-12, Daxi Rd., Pingtung City, Pingtung County 900053, Taiwan
Including the sites according to annex

Validation & Verification Site:

Validation & Verification Body: **TÜV Rheinland Taiwan Ltd.**

Validation & Verification Standard: **ISO 14064-3:2019**

Base year: - 2021 (2021.01.01~2021.12.31)

Validation & Verification year: - 2022 (2022.01.01~2022.12.31)

Programme: - Voluntary GHG scheme

Level of Assurance: - Reasonable

Consolidation methodology: - Operational Control

Materiality: - 5%

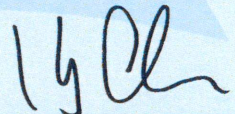
Type of Greenhouse Gases: - CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃

Validation & Verification Scope: Based on the information we have received and evaluated that:

- Global warming potential (GWP): IPCC 2021, AR6
 - The total carbon emission is 472,163.227 tonnes CO₂ equivalent (tCO₂e)
 - Category 1 Direct emission is 87.3056 tCO₂e
 - Category 2 Indirect Imported energy emission is 13,480.0034 tCO₂e
 - Category 3 Indirect Transportation emission is 2,030.0437 tCO₂e
 - Category 4 Indirect Products used by organization emission is 456,565.8739 tCO₂e
 - Category 5 Indirect Associated with the use of products from the organization emission is not quantified
 - Category 6 Indirect Other sources emission is not quantified
- Data and information
 - Historical in nature: Category 1 / 2
 - Historical in nature with scenario models: Category 3 / 4

Validity: This certificate only reviewed the emissions data of inventory year, this certificate is not for the management systems certification.

2024-01-05


TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd., Taipei
105, Taiwan

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