Certificate

Inventory Standard	**ISO 14064-1:2018**
Certificate Registr. No.	**CF 50589415 0002**
Report No.	**48247040 001**

Certificate Holder:

Taiwan Semiconductor Co., Ltd.
No.31, Sec. 2, Ligong 1st Rd., Wujie Town, I-Lan County 268, Taiwan R.O.C.

Validation & Verification Site: **Including the sites according to annex**

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

Validation & Verification Standard: ISO 14064-3:2019

Base year: - 2023 (2023.01.01~2023.12.31)

Validation & Verification year: - 2023 (2023.01.01~2023.12.31)

Programme: - Voluntary GHG scheme

Level of Assurance: - Reasonable

Consolidation methodology: - Operational Control
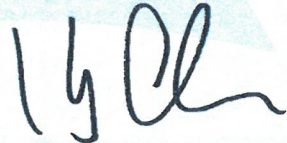
Materiality: - 5%

Type of Greenhouse Gases: - CO_2, CH_4, N_2O, HFCs, PFCs, SF_6, NF_3

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

- Global warming potential (GWP): IPCC 2013, AR5
  - The total carbon emission is 19,927.0730 tonnes CO_2 equivalent (tCO_2e)
  - Category 1 Direct emission is 4,699.6808 tCO_2e
  - Category 2 Indirect Imported energy emission is 10,103.8808 tCO_2e
  - Category 3 Indirect Transportation emission is 3,001.2422 tCO_2e
  - Category 4 Indirect Products used by organization emission is 2,122.2692 tCO_2e
  - Category 5 Indirect Associated with the use of products from the organization emission is <u>not quantified</u>
  - Category 6 Indirect Other sources emission is <u>not quantified</u>
- 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.

2024-07-01

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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