

# Certificate

Inventory Standard **ISO 14064-1:2018**  
Certificate Registr. No. **CF 50611562 0002**  
Report No. **48244032 001**

Certificate Holder: **Walsin Lihwa Corporation Yang-Mei Plant**  
No. 566, Gaoshi Rd., Yangmei Dist., Taoyuan City 326103, Taiwan

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: - 2020 (2020.01.01~2020.12.31)

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

Programme: - Voluntary GHG scheme

Level of Assurance: - Reasonable

Consolidation methodology: - Operational Control

Materiality: - 5%

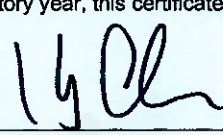
Type of Greenhouse Gases: - CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub>, NF<sub>3</sub>

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 469,528.651 tonnes CO<sub>2</sub> equivalent (tCO<sub>2</sub>e)
  - Category 1 Direct emission is 9,883.0995 tCO<sub>2</sub>e
  - Category 2 Indirect Imported energy emission is 6,991.5097 tCO<sub>2</sub>e
  - Category 3 Indirect Transportation emission is 31,325.9228 tCO<sub>2</sub>e
  - Category 4 Indirect Products used by organization emission is 421,328.1186 tCO<sub>2</sub>e
  - 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
- 2023 electricity emissions factor not publish, the inventory use 2022 electricity emissions factor for GHGs calculation.

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

2024-04-22

  
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

# Annex to certificate

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

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- Validation & Verification Site: — No. 566, Gaoshi Rd., Yangmei Dist., Taoyuan City 326103, Taiwan 106,
- Verification Method: — Site visit, Interview, confirm operational behavior and procedures, Evaluation of ownership, Data and information aggregation process, trail, sampling, Control and estimate testing, Analytical procedures between production and emissions, Re-calculation and document review
- Verification opinions: Reasonable Assurance
- Modified opinion
    - there is sufficient and appropriate evidence to support material emissions, removals or storage;
    - the criteria are applied appropriately for material emissions, removals or storage;
    - the effectiveness of controls has been evaluated when the verifier intends to rely on those controls.
    - modified procedures, calculation methods, data, factors or documents, there are have insignificant impact on materiality, intended users' understanding of GHG claims, modified (Please refer to the finding report for the detail revised items):
      - Procedures, Data, Factors, Documents