

Certificate

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

Certificate Registr. No. **CF 50584002 0002**

Report No. **48244247 001**

Certificate Holder: **Walsin Lihwa Corp. Hsin-Chuang Plant I & II**
No. 256 & 397, Xinshu Rd., Xinzhuang Dist., New Taipei City 242064, 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: - 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%

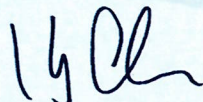
Type of Greenhouse Gases: - CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃

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 99,833.100 tonnes CO₂ equivalent (tCO₂e)
 - Category 1 Direct emission is 1,769.3151 tCO₂e
 - Category 2 Indirect Imported energy emission is 14,046.3180 tCO₂e
 - Category 3 Indirect Transportation emission is 1,186.0964 tCO₂e
 - Category 4 Indirect Products used by organization emission is 82,831.3700 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
- 2023 electricity carbon emission factor had not yet been published during the verification, the 2022's factor for GHGs calculation was used for the inventory.

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

2024-06-05


TÜV Rheinland Taiwan Ltd.
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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 on or acting upon this verification and validation

Annex to certificate

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

Certificate Registr. No. **CF 50598791 0002**

Report No. **48244124 001**

Validation & Verification Site:

- No. 256 & 397, Xinshu Rd., Xinzhuang Dist., New Taipei City 242064, Taiwan, R.O.C.

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):
 - Calculation methods, Data, Factors, Documents