

Certificate

Inventory Standard **ISO 14064-1:2018**
Certificate Registr. No. **CF 50592827 0002**
Report No. **48244352 001**

Certificate Holder: **Walsin Lihwa Corporation Yenshui Plant.**
No. 3-10, Shi Jou Liao, Chin Shuei Li, Yenshui Dist., Tainan City 73743, Taiwan, R.O.C.
including the sites according to annex

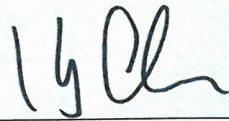
Validation & Verification Site:
Validation & Verification Body: **TÜV Rheinland Taiwan Ltd.**
Validation & Verification Standard: **ISO 14064-3:2019**

Base year: - 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 1,214,432.972 tonnes CO₂ equivalent (tCO₂e)
 - Category 1 Direct emission is 82,164.3096 tCO₂e
 - Category 2 Indirect Imported energy emission is 130,952.7296 tCO₂e
 - Category 3 Indirect Transportation emission is 43,681.2464 tCO₂e
 - Category 4 Indirect Products used by organization emission is 957,634.6860 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 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.

2024-05-14


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 or acting upon this verification and validation

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Annex to certificate

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

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- Validation & Verification Site: — Yenshui Plant.: No. 3-10, Shi Jou Liao, Chin Shuei Li, Yenshui Dist., Tainan City 73743, 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):
 - Data, factors, documents