

# 證書

盤查標準

ISO 14064-1:2018

證書登記號碼

TG 50591171 2501

報告號碼

48272087 001

證書持有者:

華新麗華股份有限公司台中不銹鋼廠  
台灣 台中市 43541 梧棲區經三路 57 號  
所包括場址已列於證書附件上  
台灣德國萊因技術監護顧問股份有限公司  
ISO 14064-3:2019

確證與查證場址:

確證與查證機構:

確證與查證標準:

基準年:

確證與查證年度:

方案:

查證保證等級:

彙總方法:

實質性:

溫室氣體種類:

確證與查證範圍:

- 2020 (2020.01.01~2020.12.31)
  - 2024 (2024.01.01~2024.12.31)
  - 自願性溫室氣體方案
  - 合理保證
  - 營運控制權法
  - 5%
  - CO<sub>2</sub>、CH<sub>4</sub>、N<sub>2</sub>O、HFCs、PFCs、SF<sub>6</sub>、NF<sub>3</sub>
- 基於取得的資訊進行評估之結論:
- 全球暖化潛勢(GWP): IPCC 2021, AR6
  - 碳排放總量為 810,905.735 噸二氧化碳當量(tCO<sub>2</sub>e)
  - 類別一 直接排放為 41,546.1835 噸/二氧化碳當量(tCO<sub>2</sub>e)
  - 類別二 間接 輸入能源排放為 40,970.3840 噸/二氧化碳當量(tCO<sub>2</sub>e)
  - 類別三 間接 運輸排放為 38,289.0301 噸/二氧化碳當量(tCO<sub>2</sub>e)
  - 類別四 間接 組織使用產品排放為 690,100.1370 噸/二氧化碳當量(tCO<sub>2</sub>e)
  - 類別五 間接 與使用組織產品有關排放為 未量化
  - 類別六 間接 其他排放為 未量化
  - 數據與資訊:
    - 歷史性資料: 類別一 / 類別二
    - 歷史性資料及情境模型: 類別三 / 類別四
  - 因查證期間 2024 年電力排碳係數尚未公告, 故使用 2023 年係數進行計算

有效性:

本證書僅對年度盤查的排放數據進行審查, 非對管理系統進行驗證

2025-04-08

台灣德國萊因技術監護顧問股份有限公司  
台灣 105 台北市八德路四段 758 號 11 樓

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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# 證書附件

盤查標準

**ISO 14064-1:2018**

證書登記號碼

**TG 50591171 2501**

報告號碼

**48272087 001**

確證與查證場址：

- 台灣 台中市 43541 梧棲區加工出口區經三路 57 號

查證方法：

- 場址訪視、人員訪談、確認操作行為與程序、所有權評估、資料與資訊積累過程、追蹤與取樣、管制與估計測試、生產與排放間的分析程序、數據驗算與文件審查

查證意見：

合理保證

- 經修改的意見
  - 具充分且適當的證據支持實質性的排放量、移除量或儲存
  - 對實質的排放量或儲存採取適當的準則
  - 查證者欲依靠管制時，其管制有效性已被評估
  - 經修改的程序，計算方法，數據，係數或文件，對實質性，預期使用者對溫室氣體宣告的理解影響不重要 (修改的詳細項目請見查驗發現報告) 修改了：
    - 計算方法、數據、係數、文件



# Certificate

Inventory Standard **ISO 14064-1:2018**  
Certificate Registr. No. **TG 50591171 2501**  
Report No. **48272087 001**

Certificate Holder: **Walsin Lihwa Corporation Taichung Stainless Steel Plant.**  
No. 57, Jing 3rd Road, Wuqi Dist., Taichung City 43541, 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: - 2024 (2024.01.01~2024.12.31)

Programme: - Voluntary GHG scheme

Level of Assurance: - Reasonable

Consolidation methodology: - Operational Control

Materiality: - 5%

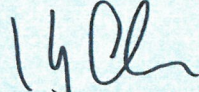
Type of Greenhouse Gases: - CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub>, NF<sub>3</sub>

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 810,905.735 tonnes CO<sub>2</sub> equivalent (tCO<sub>2</sub>e)
- Category 1 Direct emission is 41,546.1835 tCO<sub>2</sub>e
- Category 2 Indirect Imported energy emission is 40,970.3840 tCO<sub>2</sub>e
- Category 3 Indirect Transportation emission is 38,289.0301 tCO<sub>2</sub>e
- Category 4 Indirect Products used by organization emission is 690,100.1370 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
- 2024 electricity carbon emission factor had not yet been published during the verification, the 2023'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.

2025-04-08

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

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Validation and Verification  
VB007



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# Annex to certificate

Inventory Standard **ISO 14064-1:2018**  
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Validation & Verification Site:

- No. 57, Jing 3rd Road, Wuqi Dist., Taichung City 43541, 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