

耀睿科技股份有限公司 驗證中心

編號：AR-C-O-09-06-2024-013 發行版次：1

溫室氣體查驗意見書
ISO 14064-1:2018
正凌精密工業股份有限公司

查驗結果摘要

耀睿科技股份有限公司 驗證中心對「正凌精密工業股份有限公司」所報告之溫室氣體主張進行了獨立查驗，本案符合 ISO 14064-1:2018 標準要求，查驗結果未違反實質性限制 5%，符合查驗協議之合理保證等級。

查驗範圍

- 正凌精密工業股份有限公司
新北市汐止區康寧街 169 巷 1/3/5/7/9/11 號 1 及 4 樓、31 號 2 樓
- 盤查期間：2023 年 01 月 01 日 至 2023 年 12 月 31 日
- 查證期間：2024 年 11 月 12、19 日

查驗數據

直接溫室氣體排放量 (類別 1):	46.3169	公噸二氧化碳當量
間接溫室氣體排放量 (類別 2):	238.5369	公噸二氧化碳當量
間接溫室氣體排放量 (類別 3):	86.9032	公噸二氧化碳當量
間接溫室氣體排放量 (類別 4):	56.1401	公噸二氧化碳當量
間接溫室氣體排放量 (類別 5):	16.1344	公噸二氧化碳當量
間接溫室氣體排放量 (類別 6):	0.0000	公噸二氧化碳當量
直接與間接總溫室氣體排放量:	444.032	公噸二氧化碳當量

保留限制：無

毛曉薇

主導查證員

邱宗承

查驗員

孫晉得

機構主管



發行日期：2024 年 12 月 20 日

耀睿科技股份有限公司 驗證中心

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- 排放溫室氣體種類：二氧化碳 (CO₂)、甲烷 (CH₄)、氧化亞氮 (N₂O)、氫氟碳化物 (HFC_s)、全氟碳化物 (PFC_s)、六氟化硫 (SF₆)、三氟化氮 (NF₃)
- 全球暖化趨勢 (GWP)：引用 IPCC 2021 年第六次評估報告
- 外購電力排放係數：引用經濟部能源署 2024 年公告之台電 2023 年電力排碳係數 0.494 公斤二氧化碳當量/度計算
- 彙總排放量的方法：營運控制
- 盤查清冊版本：2023 溫室氣體盤查清冊/第二版/20241119
- 盤查報告版本：2023 溫室氣體盤查報告書/第二版/20241119

實質性門檻：5%

保證等級：合理保證等級 (類別 1~2)、有限保證等級 (類別 3~6)

查驗協議：ISO 14064-3:2019 溫室氣體-第 3 部：溫室氣體主張之確證與查證附指引之規範

查驗準則：ISO 14064-1:2018 溫室氣體-第 1 部：組織層級溫室氣體排放與移除之量化及報告附指引之規範

保密性聲明

此報告及附件可能包含屬於「正凌精密工業股份有限公司」之機密資訊，未經「正凌精密工業股份有限公司」書面同意，其他個人、團體或公司禁止自行複製或發行。

利益衝突迴避聲明

此報告及附件內容完全依照主管機關之標準方法與程序等相關規定，秉持公正、誠實進行查驗作業。絕無虛偽不實，如有違反，就政府機構所受損失願負連帶賠償責任之外，並接受主管機關依法令所為之行政處分及刑事處罰。

免責聲明

此意見書內容由耀睿科技股份有限公司 驗證中心依據「正凌精密工業股份有限公司」溫室氣體主張，執行第三方公正獨立客觀之查驗結果進行編製，業經其同意後發行，非用以解除客戶遵守組織章程、全國或者地方法令，以及任何被發佈國際指南章程之責任；耀睿科技股份有限公司 驗證中心除客戶之外毋須代表其面對其他組織團體。

Auray Technology Corp. Certification Center

Opinion No. : AR-E-O-09-06-2024-013 Issued version:1

Greenhouse Gas Verification Opinion

ISO 14064-1:2018

Nextronics Engineering Corp.

Summary of verification results

Auray Technology Corp. Certification Center has independently verified the GHG claims reported by " Nextronics Engineering Corp. ". It complies with the requirements of ISO 14064-1:2018. The verification results do not violate the 5% of substantive restrictions and meet the reasonable assurance level of the verification agreement.

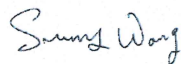
Verification boundary

- Nextronics Engineering Corp.
2F.,No.31, Lane 169, Kangning St., Xizhi Dist., New Taipei City, Taiwan
1F.,No.1,3,5,7,9, Lane 169, Kangning St., Xizhi Dist., New Taipei City , Taiwan
4F , No.1 , Lane 169, Kangning St ., Xizhi Dist., New Taipei City , Taiwan
- Duration : January 1, 2023 to December 31, 2023
- Verification Date : Nov. 12、19, 2024

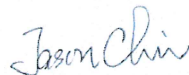
GHG Emissions

Direct GHG emissions(Category 1) :	46.3169	tonnes of CO ₂ e
Indirect GHG emissions(Category 2) :	238.5369	tonnes of CO ₂ e
Indirect GHG emissions(Category 3) :	86.9032	tonnes of CO ₂ e
Indirect GHG emissions(Category 4) :	56.1401	tonnes of CO ₂ e
Indirect GHG emissions(Category 5) :	16.1344	tonnes of CO ₂ e
Indirect GHG emissions(Category 6) :	0.0000	tonnes of CO ₂ e
Total GHG emissions:	444.032	tonnes of CO₂e

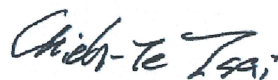
Mental reservation: None



Lead Verifier



Verifier



Director



Issued date : December 20, 2024

Auray Technology Corp. Certification Center

Opinion No. : AR-E-O-09-06-2024-013 Issued version:1

- Types of GHGs included : CO₂, CH₄, N₂O, HFC_s, PFC_s, SF₆, NF₃
- GWP applied : IPCC 2021 AR6 GWP values are applied in this inventory.
- Electricity emission factor : 0.494 kgCO₂e/kWh
(Announced by Energy Administration, Ministry of Economic Affairs in 2024)
- Consolidation approach : Operational Control
- The version of inventory sheet : 2023 GHG inventory sheet/V2/20241119
- The version of GHG assertion : 2023 GHG inspection report/V2/20241119

Level of Assurance : Reasonable level of assurance(Category 1&2), Limited level of assurance(Category 3~6)

Materiality Threshold : 5 %

Verification agreement

ISO 14064-3:2019 Greenhouse gases - Part 3: Specification with guidance for the verification and validation of greenhouse gas statements.

Verification criteria

ISO 14064-1:2018 Greenhouse gases - Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals

Confidentiality

The reports and attachments may contain relevantly confidential information of the clients. In addition to being submitted as governmental applications or certification documents, the reports and attachments are not allowed to be edited, duplicated, or published without the clients' agreement in written form.

Avoidance of conflict of interest

The reports and attachments are in full compliance with the standard methods and procedures of the competent authority, and the inspection operations are conducted in an impartial and honest manner. If not, the auditing institution not only has to bear the relevant compensation duties, but also to receive legal charges and punishment.

Disclaimer

The content of this opinion is prepared by Auray Technology Corp. Certification Center based on the verification results of "Nextronics Engineering Corp." 's greenhouse gas claims and is issued after its consent. Local ordinances, and the responsibility for any published international guidelines and regulations; Auray Technology Corp. Certification Center is not required to represent it to other organizations other than customers.