

報告編號：(TH24-727 / 第 1 版)

## 溫室氣體查證報告意見書

THGHG24727-00

查證範圍：希華晶體科技股份有限公司

42756 臺中市潭子區中山路三段 111 巷 1-1 號

查證準則：ISO 14064-1 : 2018

查證目標：法標國際根據 ISO14064-3 : 2019 標準，確認上述組織之溫室氣體聲明(溫室氣體盤查報告書)依據雙方協議之查證準則進行盤查並提出報告，法標國際以客觀公正的立場及原則(相關性、完整性、一致性、準確性、透明度)執行查證。

數據期間：2023 年 01 月 01 日至 2023 年 12 月 31 日(檢視的數據為歷史性質)

查證數據：直接溫室氣體排放量(類別 1)：466.1048 公噸 CO<sub>2</sub>e能源間接溫室氣體排放量(類別 2)：8,070.9226 公噸 CO<sub>2</sub>e間接溫室氣體排放量(類別 3~6)：2,026.2589 公噸 CO<sub>2</sub>e

全球暖化潛勢值(GWP)：引用 IPCC 2021 年第 6 次評估報告。

聲明依據：本聲明必須與下列文件作為一個整體以進行解釋說明。

溫室氣體盤查報告(版次：2；日期：2024 年 12 月 17 日)

溫室氣體盤查清冊(版次：2；日期：2024 年 12 月 17 日)

實質性：5% (類別 1 及類別 2)

意見類型：☒ 不含保留意見 ☐ 含保留意見(請見附頁) ☐ 放棄簽發

查證結論：確認組織依據雙方協議查證準則之要求提出溫室氣體聲明，並公正地呈現溫室氣體數據及相關資訊，與雙方協議的查證範圍、目標和準則一致。

聲明盤查數據之合理保證等級為類別 1 及類別 2。

本文件核發日期：2025 年 02 月 24 日

APPROVED BY

Steven Huang  
Director for Certification  
ON BEHALF OF  
AFNOR ASIA

113-2024/00



# Certificate

Certificat

Report No. : (TH24-727 / Version 1)

## Greenhouse Gas Verification Report Opinion

THGHG24727-00

Verification Scope: Siward Crystals Technology Co., Ltd  
No. 1-1, Ln. 111, Sec. 3, Zhongshan Rd., Tanzi Dist., Taichung City 42756, Taiwan(R.O.C)

Verification Criteria: ISO 14064-1 : 2018

Verification Objectives : According to ISO 14064-3:2019, AFNOR Asia Ltd. (AFNOR ASIA) confirms that the GHG statement (GHG inventory report) of the above-mentioned organization(s) is reported in accordance with the verification criteria agreed by both parties. AFNOR ASIA performs the verification with an objective and fair position and principle (relevant, complete, consistent, accurate, and transparent).

Data Period : From 01 01, 2023 to 12 31, 2023 (The data being viewed is historical in nature)

Verification Data :	Direct GHG Emissions (Category 1):	466.1048	Ton CO <sub>2</sub> e
	Energy Indirect GHG Emissions (Category 2):	8,070.9226	Ton CO <sub>2</sub> e
	Indirect GHG Emissions (Category 3~6):	2,026.2589	Ton CO <sub>2</sub> e

Global Warming Potential (GWP) : Refer to IPCC 2021 Year, the 6 assessment report

Statement Basis : This statement must be interpreted as a whole with the following.

GHG Inventory Report (Version :	2	; Date :	12 17, 2024	)
GHG Inventory (Version :	2	; Date :	12 17, 2024	)

Materiality : 5% (Category 1 and Category 2 )

Type of Opinion : ☒ Unqualified ☐ Qualified (see the subsequent page ) ☐ Disclaim the issuance

Verification Conclusion: To confirm that the organization submits a GHG statement in accordance with the requirements of the verification criteria agreed by both parties, and fairly presents the GHG data and related information, which are consistent with the verification scope, objectives and criteria agreed by both parties.

Declares that the reasonable assurance level of the inventory data is Category 1 and Category 2.

Date of Issuance: 02 24, 2025

APPROVED BY

Steven Huang  
Director for Certification  
ON BEHALF OF  
AFNOR ASIA