



# Certificate

Certificat

Report no. : (TH23-473 / version 1)

## Greenhouse Gas Verification Report Opinion

### THGHG23473-00

**Verification** SHIEH YIH MACHINERY INDUSTRY CO., LTD.

**Scope:** No.446, Nanshang Rd., Guishan Dist., Taoyuan City 333014, Taiwan (R.O.C.)  
No.442-1, Nanshang Rd., Guishan Dist., Taoyuan City 333014, Taiwan (R.O.C.)  
1F - 2F, NO. 219, Sec 2, New Taipei Blvd., Xinzhuang Dist., New Taipei City 242032, 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 performs the verification with an objective and fair position and principle (relevant, complete, consistent, accurate, and transparent).

**Data Period :** From 01 01,2022 to 12 31,2022 (The data being viewed is historical in nature)

**Verification Data :**

Direct GHG emissions (category 1):	141.2808	tons CO2e
Energy indirect GHG emissions (category 2):	986.7760	tons CO2e
Indirect GHG emissions (category 3~6):	13583.5533	tons CO2e

**Global Warming Potential (GWP) :** refer to IPCC 2023 Year, the 6 assessment report

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

GHG Inventory report (version :	2	: Date :	11 22, 2023	)
GHG Inventory (version :	2	: Date :	11 22, 2023	)

**Materiality :** 5% (category 1 and category 2 )

**Type of Opinion :** unqualified qualified (see the subsequent page ) disclaim the issuance

**Verification Conclusion:** 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 is 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:** 12 28, 2023

APPROVED BY

Patrick Ni  
Director for Certification  
ON BEHALF OF  
AFNOR ASIA

104-2011/09

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Emissions Data for Each Category :

Category	Description of content	GHG emissions (tons CO <sub>2</sub> e)	Note
(Category 1) Direct GHG emissions	Emergency generators, official vehicles, septic tanks, refrigerant escape, liquefied petroleum gas, acetylene, dry ice, welding rods	141.2808	
(Category 2) Indirect GHG emissions from imported energy	Electricity	986.7760	Location-based
(Category 3) Indirect GHG emissions from transportation	Raw material transportation, product transportation, business travel, waste transport	1243.1209	
(Category 4) Indirect GHG emissions from products used by organization	Upstream carbon emissions from electricity, gasoline, diesel, and tap water, waste disposal	12340.4323	
(Category 5) Indirect GHG emissions associated with the use of products from the organization	NA	NS	
(Category 6) Indirect GHG emissions from other sources	NA	NS	

Biomass burning emission : 0.0000 tons CO<sub>2</sub>e



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## Other Related Verification Information

Organization boundaries :	operational control
GHG type :	Carbon dioxide (CO <sub>2</sub> ), Methane (CH <sub>4</sub> ), Nitrous oxide (N <sub>2</sub> O), Hydrofluorocarbon (HFCs), Perfluorocarbon (PFCs), Sulfur hexafluoride (SF <sub>6</sub> ), Nitrogen trifluoride (NF <sub>3</sub> )
Purpose of intended use:	Voluntarily understanding the status of greenhouse gas emissions as a basis for reduction strategies. (This statement of responsibility applies only to the purpose of intended use mentioned above and not to any other purpose.)
Criteria for significance of indirect emissions :	- Identified stakeholder requirements: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - Identified regulation requirements : <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - Identified magnitude of emissions : <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - Others :
Purchased power factor:	Refer to the 2022 annual power factor announced by the Bureau of Energy, Ministry of Economic Affairs on 06 21, 2023
Data sources :	<input checked="" type="checkbox"/> The primary data is collected from on-site operation activities. <input checked="" type="checkbox"/> Category 3~6 emissions are calculated with estimated data. The secondary data sources are: EPA Product Carbon Footprint Information Website <input type="checkbox"/> others :
Verification method:	<input checked="" type="checkbox"/> On-site
Qualified opinion :	NO
Others :	NO
Verification date :	11 15, 2023 11 22, 2023
Report date :	11 26, 2023



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## Verification team and technical review

Lead Verifier : Hu-Mu Chen

簽名 :

Chen, Hu -mu

Verifier : Yi-Ching Chen

簽名 :

Nancy Chen

Verifier : Yih-Hsiun Shih

簽名 :

yih-hsiun shih

Independent review : Hsiao-Kuang Ling

簽名 :

C. Kuang

## Verification processes

AFNOR is based on risk assessment methods and controls. Evidence collection procedures are including pre-trip assessment, on-site visits, interviews with site personnel, confirmation of documented evidence provided, sampling of emission data, evaluation of data management systems, confirming the collection and compilation of emission data, analysis between production and energy consumption, and confirmation of whether the terms of the agreement referred to are properly applied.

## Roles and Responsibilities

The verified organization is responsible for preparing and submitting a GHG statement in accordance with the verification criteria. This responsibility includes the planning, implementation and maintenance of data management systems related to GHG declarations, GHG inventory and GHG inventory reports.

AFNOR provides independent third-party verification of the reported GHG emissions and issues verification opinions for the organizational GHG emissions. The verification team is independent and impartial, and there is no conflict of interest.