



# Certificate

Certificat

Report no. : (TH06-162 / version 1)

## Greenhouse Gas Verification Report Opinion

THGHG06162-01

Verification: Chunghwa Precision Test Tech. Co., Ltd.  
Scope: No.12, Gongye 3rd Rd., Pingzhen Dist., Taoyuan City 324, Taiwan, R.O.C.  
☒ The information of other sites are listed on the subsequent page. •

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 : 2022/1/1 – 2022/12/31 ( historical data viewed )

Verification Data :	Direct GHG emissions (category 1):	4052.6793	tons CO2e
	Energy indirect GHG emissions (category 2):	15322.2485	tons CO2e
	Indirect GHG emissions (category 3~6):	5455.0169	tons CO2e

Global Warming Potential (GWP) : refer to IPCC 2021 Year, the sixth assessment report

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

GHG Inventory report (version :	A	; Date :	2023/03/29	)
GHG Inventory (version :	A	; Date :	2023/03/29	)

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: 2023/5/25



Signature of the representative : \_\_\_\_\_ Job position : President



Report no. : (TH06-162 / version 1)

## The Geographical Location of Multiple Sites :

Site	Address
Headquarters	No.12, Gongye 3rd Rd., Pingzhen Dist., Taoyuan City 324, Taiwan, R.O.C.
Taoyuan Plant	No.15, Gongye 3rd Rd., Pingzhen Dist., Taoyuan City 324, Taiwan, R.O.C.
Hsinchu Branch	Rm. 3C8 , 3F., No.1, Lixing 1st Rd., Hsinchu City 300, Taiwan, R.O.C.
Taichung Office	1F., No. 356, Fuya Rd., Xitun Dist., Taichung City 407 , Taiwan (R.O.C.)
Kaohsiung Office	No. 195, Tuku 1st Rd., Nanzi Dist., Kaohsiung City 811, Taiwan (R.O.C.) 1F.,No. 189, Tuku 1st Rd., Nanzi Dist., Kaohsiung City 811, Taiwan (R.O.C.)

## Emissions Data for Each Category :

Category	Description of content	GHG emissions (tons CO <sub>2</sub> e)	Note
(Category 1) Direct GHG emissions	Stationary sources Mobile sources Process emissions Fugitive emissions	4052.6793	
(Category 2) Indirect GHG emissions from imported energy	Indirect emissions from purchased electricity	15322.2485	local standard
(Category 3) Indirect GHG emissions from transportation	Downstream logistics Upstream logistics Business travel	330.2119	
(Category 4) Indirect GHG emissions from products used by organization	Purchased goods Waste treatment	5124.8050	
(Category 5) Indirect GHG emissions associated with the use of products from the organization	NA	NA	
(Category 6) Indirect GHG emissions from other sources	NA	NA	

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

Report no. : (TH06-162 / version 1)

## 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:	Understanding voluntarily the status of GHG emissions as a basis for developing 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 :	<ul style="list-style-type: none"> <li>- Identified stakeholder requirements: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>- Identified regulation requirements : <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>- Identified magnitude of emissions : <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>- Others :</li> </ul>
Purchased power factor:	Refer to the 2021 annual power factor announced by the Bureau of Energy, Ministry of Economic Affairs on 07 22, 2022
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: Carbon Footprint Information Platform <input type="checkbox"/> others :
Verification method:	<input checked="" type="checkbox"/> On-site
Qualified opinion :	NO
Others :	NO
Verification date :	2023/03/22 2023/03/29
Report date :	2023/04/17





# Certificate

Certificat

Report no. : (TH06-162 / version 1)

## Verification team and technical review

Lead Verifier : Hsiao Kuang Ling

Signature : *Ling. HSIAO-KUANG*

Verifier : Yi Ching Chen

Signature : *Nancy Chen*

Verifier : Chun-Fang Chang

Signature : *Chun-fang Chang*

Independent review : Pei-Hsuan Hung

Signature : *Pei Hsuan Hung*

## 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.