


Responsible Party	Nan Pao Resins (Vietnam) Enterprise Limited	
Verification Criteria	ISO 14064-1:2018	
Reporting Period	1 st January 2022 to 31 st December 2022	
GHG Emission Results from Responsible Party's GHG Statement	Direct GHG Emissions	484.23 tonnes of CO ₂ e
	Indirect GHG Emissions from Imported Energy	1,643.14 tonnes of CO ₂ e
	Indirect GHG Emissions from Transportation	606.40 tonnes of CO ₂ e
	Indirect GHG Emissions from Products used by the Responsible Party	39,456.73 tonnes of CO ₂ e
	Indirect GHG Emissions Associated with the used of Products from the Responsible Party	Not quantified
	Indirect GHG Emissions from Other Sources	Not quantified
	Total Direct and Indirect GHG Emissions	42,190.50 tonnes of CO₂e
	CO ₂ Emissions from Combustion of Biomass	0 tonnes of CO ₂ e
	GHG Removals	Not quantified
Verification Date(s):	10 th September 2023	
SGS Delivering Office:	SGS Hong Kong Limited – Energy and Carbon Services	
Address:	Units 303 & 305, 3/F, Building 22E, Phase 3, Hong Kong Science Park, NT, Hong Kong	
Verification Team Leader:	Conan Lee 	
Other Accompanying Person (Names & Roles)	Nathan Ng (Verifier under supervision)	

SGS has been contracted by Nan Pao Resins (Vietnam) Enterprise Limited (hereinafter referred to as "CLIENT"), No. 10, Thong Nhat Avenue, Song Than 2 Industrial Park, Di An Ward, Di An City, Binh Duong Province, Vietnam, for the Greenhouse Gas (GHG) verification in accordance with ISO 14064-3:2019 as provided by Nan Pao Resins (Vietnam) Enterprise Limited (hereinafter referred to as "RESPONSIBLE PARTY"), No. 10, Thong Nhat Avenue, Song Than 2 Industrial Park, Di An Ward, Di An City, Binh Duong Province, Vietnam, in the GHG Statement in the form of “*溫室氣體 GHG 盤查報告書 (2022 年)*” (Version 8 reporting on 28th September 2023) covering GHG emissions of the period 1st January 2022 to 31st December 2022.

1. VERIFICATION OBJECTIVES

The purposes of this verification exercise were, by review of objective evidence, to independently review:

- Conformance with agreed verification criteria, including the principles and requirements of relevant standards or GHG programmes, if applicable, within the scope of the verification;
- Whether the GHG emissions were as declared by the organization's GHG Statement.

2. VERIFICATION CRITERIA AND REFERENCE

Criteria against which the verification assessment undertaken were the requirement of:

- ISO 14064-1:2018

Other references which the verification assessment considered were:

- Nil

3. VERIFICATION SCOPE

This engagement covered verification of emissions from anthropogenic sources of GHGs included within the scope outlined below.

- The organization boundary was established following operation control approach
- Location/boundary of the activities:
 - o No. 10, Thong Nhat Avenue, Song Than 2 Industrial Park, Di An Ward, Di An City, Binh Duong Province, Vietnam
- Physical infrastructure, activities, technologies and processes of the organization:
Manufacture and sales of shoe glue, industrial adhesives and hot melt adhesives
- GHG sources, sinks and/or reservoirs included: GHG sources as presented in the *溫室氣體 GHG 盤查報告書 (2022 年)*” (Version 8 reporting on 28th September 2023) of the RESPONSIBLE PARTY, which comprises the following emission categories:
 - o Direct GHG emissions
 - o Indirect GHG emissions from imported energy
 - Imported electricity consumption
 - o Indirect GHG emissions from transportation
 - Upstream transportation from raw materials (methylcyclohexane, PU resin (1630B), 2-ethylhexyl acrylate, EVA resin (DA-102HW), methyl methacrylate, methyl ethyl ketone, ethyl acetate, vinyl acetate, butyl acrylate, acetone, 1500cc plastic bottle horn bottle, 22 vertical round plastic drum, blue plastic drum, printed drum (green), printed small drum (red), 150kg plastic bag, carton

box 2015K, white-bodied small mouth bucket, white-bodied medium mouth bucket, plastic drum (120kg))

- Indirect GHG emissions from products used by an organization
 - Purchased raw materials (methylcyclohexane, PU resin (1630B), 2-ethylexyl acrylate, EVA resin (DA-102HW), methyl methacrylate, methyl ethyl ketone, ethyl acetate, vinyl acetate, butyl acrylate, acetone)
 - Purchased packing materials (1500cc plastic bottle horn bottle, 22 vertical round plastic drum, blue plastic drum, printed drum (green), printed small drum (red), 150kg plastic bag, carton box 2015K, white-bodied small mouth bucket, white-bodied medium mouth bucket, plastic drum (120kg))
 - Production waste disposal handling (carton box, plastic drum)
- Types of GHGs included: CO₂, CH₄, N₂O, NF₃, HFCs, PFCs, and SF₆
- GWP adopted: IPCC Sixth Assessment Report
- GHG information for the following period was verified: 1st January 2022 to 31st December 2022
- Level of assurance: Reasonable assurance
- Materiality thresholds: without major non-conformance to the agreed criteria in GHG quantification and reporting, and less than 5% error in misclassified GHG emissions of misapplication of calculations

4. ROLES AND RESPONSIBILITY

The management of the RESPONSIBLE PARTY was responsible for the organization's GHG information system, the development and maintenance of records and reporting procedures in accordance with that system, including the calculation and determination of GHG information and the reported GHG emissions. This responsibility includes designing, implementing and maintaining a data management system relevant to the preparation and fair presentation of a GHG Statement in accordance with ISO 14064-1:2018.

It was SGS's responsibility to express a third party GHG verification opinion on the GHG Statement as provided by the RESPONSIBLE PARTY for the period 1st January 2022 to 31st December 2022 against the principles and requirements of ISO 14064-3:2019.

5. SUMMARY OF THE GHG STATEMENT

The GHG emission results presented in 2022 GHG Statement in the form of “*溫室氣體 GHG 盤查報告書 (2022 年)*” (*Version 8 reporting on 28th September 2023*) of the RESPONSIBLE PARTY were listed below.

- Direct GHG emissions: 484.23 tonnes of CO₂e
- Indirect GHG emissions from imported energy: 1,643.14 tonnes of CO₂e
- Indirect GHG emissions from transportation: 606.40 tonnes of CO₂e
- Indirect GHG emissions from products used by an organization: 39,456.73 tonnes of CO₂e
- CO₂ Emissions from Combustion of Biomass: 0 tonnes of CO₂e

6. EVIDENCE GATHERING ACTIVITIES

SGS planned and performed works to obtain the information, explanations and evidence which SGS considered necessary to provide a reasonable level of assurance that the GHG emissions for the period 1st January 2022 to 31st December 2022 were fairly stated. The verification was mainly



conducted through virtual site visit, interview, document review and data verification in sampling. The evidence gathering procedures included but not limited to:

- Review and assessment of the RESPONSIBLE PARTY's GHG information management system and its control;
- Inspect the completeness of the RESPONSIBLE PARTY's inventory;
- Sampling of GHG emissions related activity data record to confirm accuracy of source data into calculations;
- Recalculation of emissions;
- Assessment against verification criteria, as well as evaluation of the GHG statement of the RESPONSIBLE PARTY

The data and information examined during the verification were historical and hypothetical in nature.

7. VERIFICATION OPINION

In SGS's opinion the presented GHG Statement by the RESPONSIBLE PARTY

- is materially correct and is a fair representation of the GHG data and information, and
- is prepared in accordance with the agreed criteria on GHG quantification and reporting.

Please refer to SGS Verification Opinion HK23/00000185 for the details of verification opinion.