

Verification Opinion

CFV 807470

Verification Opinion

Verified as Satisfactory:

Based on the process and procedures conducted, there is no evidence that the GHG statement contained in the GHG Report produced by THAI NANPAO RESIN CHEMICAL CO., LTD:

- Is not materially correct and is not a fair representation of GHG data and information.
- Has not been prepared in accordance with ISO14064-1:2018

Lead Verifier: Tadpong Ratanasophonchai

Signed on behalf of BSI: Idsara Losuwan, Operations Director Assurance, Thailand

Independent Reviewer: Naris Lapsunthornphithak

Issue Date: 16 July 2024

NOTE: BSI BSI Thailand is independent to and has no financial interest in THAI NANPAO RESIN CHEMICAL CO., LTD. This 3rd party Verification Opinion has been prepared for THAI NANPAO RESIN CHEMICAL CO., LTD. only for the purposes of verifying its statement relating to its GHG emissions more particularly described in the scope above. It was not prepared for any other purpose. In making this Statement, BSI Thailand has assumed that all information provided to it by THAI NANPAO RESIN CHEMICAL CO., LTD is true, accurate and complete. BSI Thailand accepts no liability to any third party who places reliance on this statement.

BSI Group (Thailand) Co.,Ltd. 127/29 Panjathani Tower, 24th Floor Nonsee Road, Chongnonsee, Yannawa Bangkok. Thailand.

Verification Engagement

Organization:

THAI NANPAO RESIN CHEMICAL CO., LTD.

Responsible party:

THAI NANPAO RESIN CHEMICAL CO., LTD

Verification Objectives:

To express an opinion on whether the organizational GHG Statement which is historical in nature:

- Is accurate, materially correct and is a fair representation of GHG data and information.
- Has been prepared in accordance with ISO14064-1:2018, and the criteria used by BSI to verify the GHG Organizational Statement

Materiality Level:

5%

Level of Assurance:

Limited

Verification evidence gathering procedures:

- Evaluation of the monitoring and controls systems through interviewing employees observation & inquiry
- Verification of the data through sampling recalculation, retracing, cross checking and reconciliation

The verification activities applied in a limited level of assurance verification are less extensive in nature, timing and extent than in a reasonable level of assurance verification

Verification Standards:

The verification was carried out in accordance with ISO 14064-3: 2019 and ISO 14065: 2020, ISO17029:2019

Note: THAI NANPAO RESIN CHEMICAL CO., LTD is responsible for the preparation and fair presentation of the GHG statement and report in accordance with the agreed criteria. BSI is responsible for expressing an opinion on the GHG statement based on the verification.

Organizational GHG Statement

Organization:

THAI NANPAO RESIN CHEMICAL CO., LTD

Organizations GHG Report containing GHG Statement:

GHG Report 2023

Organizational Boundary:

Operational Control

Locations included in the Organizational Boundary:

THAI NANPAO RESIN CHEMICAL CO., LTD

412 KOR MOO 4 PRAKSA AMPHUR MUANG SAMUTPRAKRAN SAMUTPRAKRAN

Scope of activities:

The design and manufacture of adhesive products.

Reporting Boundary:

Direct GHG Emissions (Scope 1)

- Stationary Combustion
 - Fuel Oil Type A
 - LPG in Maintenance
- Mobile Combustion
 - LPG Trucks
 - Diesel Forklifts and Trucks
 - Gasoline Vehicles
- Fugitive Emissions
 - CH₄ Leakage from Wastewater treatment plants and Septic Tank
 - Leakage from Refrigerants (R32, R410a)
 - CO₂ Leakage from Fire Extinguishers

Direct GHG Removals (Scope 1)

-

Indirect GHG Emissions from imported energy (Scope 2)

- Imported Electricity

Indirect GHG emissions from transportation (Scope 3)

- Upstream transportation and distribution
- Employee Commuting
- Waste transportation

Indirect GHG emissions from products used by organization (Scope 3)

- Materials and Chemicals use
- Fuel and energy related activities
- Waste generated in operations

Indirect GHG emissions associated with the use of products from the organization (Scope 3)

- Hazardous waste treatment

Indirect GHG emissions from other sources (scope 3)

-

Exclusions from Reporting Boundary:

Exclusion due to data collecting improvement:

- Sludge Removal

Exclusion due to short term usage

- Fuel use in VIP Fleet Card.

Exclusion due to insignificant criteria:

- Business Travel
- Capital Goods

Criteria for developing the organizational GHG Inventory:

ISO 14064-1:2018 (BS EN ISO 14064-1:2019) and client's GHG Report.

Reporting Period:

01/01/2023 - 31/12/2023

Y2023	tCO2(e)
Direct Emissions (scope 1)	49.41
Indirect Emissions from Imported Energy (scope 2) Location-based	66.49
Indirect GHG emissions from transportation (Scope 3)	
• Upstream transportation and distribution	10.48
• Employee Commuting	0.34
• Waste transportation	0.30
Indirect GHG emissions from products used by organization (Scope 3)	
• Materials and Chemicals	684.01
• Fuel and energy related activities	6.47
• Waste generated in operations	6.55
Indirect GHG emissions associated with the use of products from the organization (Scope 3)	
• Hazardous waste treatment	20.63
Total (Location based)	844.68