

# VERIFICATION OPINION OF GREENHOUSE GAS STATEMENT

Opinion No.:  
00028-2025-GHG-RGC

Date of issue:  
18 April 2025

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This is to verify initiate reporting of Greenhouse Gas Emissions Inventory Report (2024) of

## ZHENJIANG CHIMEI CHEMICAL CO., LTD.

### Scope of Verification

DNV Business Assurance (DNV) has been commissioned by ZHENJIANG CHIMEI CHEMICAL CO., LTD. (hereafter the "Company") to perform a verification of the GHG Emissions Inventory Report (2024) (hereafter the "Inventory Report") in China, the scope of the verification is set to the reporting boundary covered by this Inventory Report, as detailed in Appendix A&B of this opinion.

### Verification Criteria and GHG Programme

The verification was performed on the basis of ISO 14064-1:2018, as well as those given to provide for consistent GHG emission identification, calculation, monitoring and reporting. The implementation process of the verification, is in accordance with the requirements of standards of ISO 14066:2023, ISO 14065:2020 and ISO 14064-3:2019 etc.

### Verification Opinion

It is DNV's opinion that the Inventory Report (2024), which was published on 26 March 2025, is free from material discrepancies in accordance with the verification criteria identified as stated above. The opinion is decided based on the following approaches,

- For the Direct GHG emissions (Category 1) and Indirect GHG emissions from imported energy (Category 2), the reliability of the information within the Inventory Report were verified with reasonable level of assurance.
- For the other Indirect GHG emissions (Category 3 & 4 & 5), the involved information was verified and tested using agreed-upon procedures (AUP).

In addition, the information listed in attached Appendix A&B&C were also verified during the process.



Wang Xu  
GHG Verifier

DNV Business Assurance  
China



Tony Xu  
Management Representative

Place and date: Shanghai, 18 April 2025

## Supplement to Statement

### Process and Methodology

The reviews of the Inventory Report and the subsequent follow-up interviews have provided DNV with sufficient evidence to determine the fulfilment of stated criteria.

### Quantification of Greenhouse Gas Emission

The Inventory Report covering the period from 1 January 2024 to 31 December 2024, it is DNV's opinion that the Inventory Report results in quantification of GHG emissions that are real, transparent and measurable.

### Organizational Boundary of Verification

☐ Financial Management Control ☒ Operational Management Control ☐ Equity Share

### GHGs Verified

☒ CO<sub>2</sub> ☒ CH<sub>4</sub> ☒ N<sub>2</sub>O ☒ HFCs ☒ PFCs ☒ SF<sub>6</sub> ☒ NF<sub>3</sub>

GHG Inventory Categories	Amount (tCO <sub>2</sub> e)
Category 1 - Direct GHG emissions <sup>1</sup>	78322.56
Category 2 - Indirect GHG emissions from imported energy <sup>2</sup>	266954.38
GHG emissions of Category 1 & 2	345276.94
Category 3 - Indirect GHG emissions from transportation <sup>3</sup>	127481.34
Category 4 - Indirect GHG emissions from products used by organization <sup>3</sup>	4378144.67
Category 5 - Indirect GHG emissions associated with the use of products from the organization	1689306.98
<b>Total Emissions<sup>4</sup></b>	<b>6540209.93</b>

1. Direct GHG emissions See Annex C.
2. The GHG emissions of input energy and electric emissions are calculated according to the average CO<sub>2</sub> emission factor of power in Jiangsu Province is 0.5978 kgCO<sub>2</sub> / kWh in the announcement on the release of electric power emission factors in 2022 issued by the Ministry of Ecology and Environment and the National Bureau of Statistics on December 26, 2024.
3. Emissions from transportation activities & emissions from goods purchased by the organization were quantified based on the Ecoinvent 3.11, CPCD emission factors.
4. The Global Warming Potential (GWP) defined in IPCC AR6 has been chosen and referred by the Organization.

### Verification Opinion

☒ Verified without Qualification  
☐ Verified with Qualification  
☐ Unable to Verify

## APPENDIX A

The GHG statement proposed by the reporting entity for this Inventory Report includes the following addresses:

No.	Facility	Address	Total emissions Tones CO <sub>2</sub> -e
1	ZHENJIANG CHIMEI CHEMICAL CO., LTD.	No. 88 Han Qiao Road, Zhen Jiang New Zone, Jiangsu, China,212132	6540209.93

## APPENDIX B

The reporting boundary of the Inventory Report (2024) is identified by organization as:

Category	Reporting Boundary*
Category 1 - Direct GHG emissions	Fuel usage from stationery combustion (organic heat transfer material heater/RTO/hazardous waste incinerators/torch/ canteen/emergency generators, etc.), mobile source emissions from vehicle, fugitive emissions from freezers /air conditioners/ septic tanks/sewage treatment plants/fire extinguishers/SF6 of breaker etc., Process emissions from K <sub>2</sub> CO <sub>3</sub> reaction/ exhaust gas of raw materials and waste disposal unit.
Category 2 - Indirect GHG emissions from imported energy	Indirect emissions by imported electricity and steam.
Category 3 - Indirect GHG emissions from transportation	Transportation of raw materials/ fuel/chemicals, product transportation and distribution, employee commuting, air business travel.
Category 4 - Indirect GHG emissions from products used by organization	Emissions from goods purchased by the organization, emissions from capital goods, emissions from offsite disposal of waste.
Category 5 - Indirect GHG emissions associated with the use of products from the organization	Electricity consumed for injection molding process of downstream enterprises, emissions from renting storage tanks.

\*The scope of other indirect emissions (excl. imported energy with designated/limited source) is determined by the reporting entity based on predetermined criteria for assessing significant indirect emissions and considering the intended use of its GHG inventory.

## APPENDIX C

For direct GHG emissions and removals, the quantified results for each GHGs are as follows, in Tones CO<sub>2</sub>-e units.

CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>	NF <sub>3</sub>	Sum
68040.98	7378.11	41.27	2862.20	0.00	0.00	0.00	78322.56
86.88%	9.42%	0.05%	3.65%	0.00%	0.00%	0.00%	100.00%