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Product Carbon Footprint Verification Opinion

is awarded to

Linyi Yuanbo Chemical Industry Co., Ltd.

Bureau Veritas Certification (Beijing) Co., Ltd. was engaged by Linyi Yuanbo Chemical Industry Co., Ltd. to conduct an independent verification of its product carbon footprint. This verification opinion applies to the related information included within the scope of work described below.

Boundaries covered by the verification:

- Verified product name: Dimethyl sulphate (Purity > 98.5%)
- Product production address: Wangjiabu, Meijiabu Sub-district Office, Linyi Economic Development Zone, Shandong Province, China
- Declared unit: 1 kg of Dimethyl sulphate (Purity > 98.5%)
- System boundary: The life cycle (from cradle to gate) process GHG emission of 1 kg of Dimethyl sulphate (Purity > 98.5%) product produced in Linyi Yuanbo Chemical Industry Co., Ltd., including raw material acquisition, raw material transportation and core production.
- Time boundary for data: 01/01/2023 to 31/12/2023

Re-verification conditions: re-verification shall be applied when Greenhouse Gas emissions in the life cycle of the product has 5% or more than 5% planned changes or has more than 10% unplanned changes, and these changes continue for more than 3 months.

Verification standards:

- ISO 14067:2018 Greenhouse gases - Carbon footprint of products - Requirements and guidelines for quantification
- ISO 14064-3:2019 Greenhouse gases - Part 3: Specification with guidance for the verification and validation of greenhouse gas statements

Level of assurance:

- Reasonable assurance

Methods of verification:

- Interview for relevant personnel;
- Review of the documentary evidence;
- Evaluation of the methodology and information systems for data collection, aggregation, analysis and review;
- Audit of sampled sites and data to verify source.

Verification conclusion:

- Greenhouse Gas emission in the life cycle of 1 kg of Dimethyl sulphate (Purity > 98.5%) product (from cradle to gate): 2.64 kgCO₂e

Based on the verification process and findings, the quantification method and result of product carbon footprint for Dimethyl sulphate (Purity > 98.5%) product reported from Linyi Yuanbo Chemical Industry Co., Ltd. is in compliance with ISO 14067:2018 Greenhouse gases - Carbon footprint of products - Requirements and guidelines for quantification.

Statement of independence, impartiality and competence

Bureau Veritas Group is an independent professional services company that specializes in Quality,

Certification body address: Room 02, 9 / F, West Office Building 1, Oriental Economic and Trade City, Oriental Plaza, No.1 East Chang'an Street, Dongcheng District, Beijing, China. 100738
Further clarifications regarding the verification scope of this opinion may be obtained by consulting the organization.
To check this opinion validity please call: +86 10 59683663



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Health, Safety, Social and Environmental management with over 190 years' history in providing independent assurance services.

No member of the verification team has a business relationship with Linyi Yuanbo Chemical Industry Co., Ltd. and its directors or managers beyond that required by this assignment. We conducted this verification independently and to our knowledge there has been no conflict of interest.

Bureau Veritas Group has implemented a Code of Ethics across the business to maintain high ethical standards among staff in their day-to-day business activities.

Lead verifier: Han Bao

No.: EMICN100404A

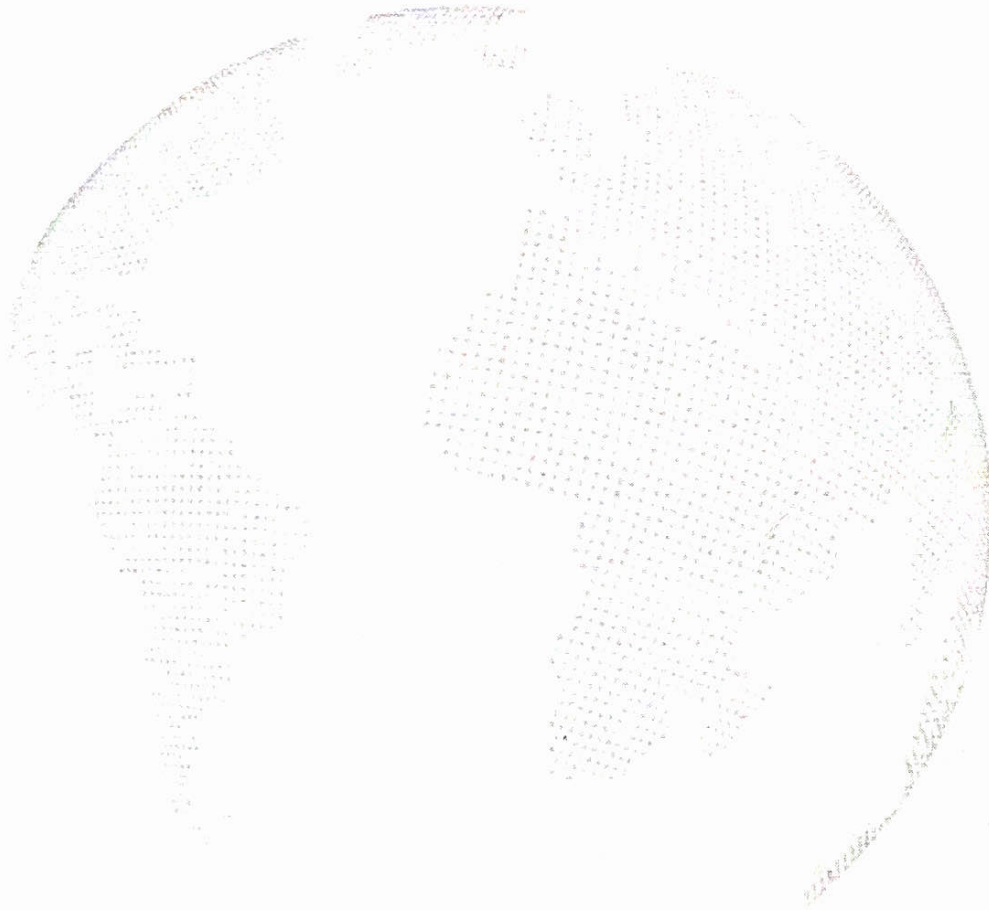
Version No.: No.1

Verification date: 03/07/2024

Issue date: 18/07/2024

Expiry date: 17/07/2026

Signed on behalf of
Bureau Veritas Certification (Beijing) Co., Ltd.



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