

Independent Verification Opinion

DNV Business Assurance Korea Ltd. (hereafter, "DNV") has been commissioned by DONGSUNG FINETEC CO., Ltd. (hereafter, "Company") to perform a verification of Carbon Footprint for HFC R-PUF(Reinforced Polyurethane foam) (hereafter "HFC R-PUF") that produced in Company's Anseong plant.

Scope of Verification

The verification was conducted regarding the Carbon Footprint of the company's HFC R-PUF products and the scope of the verification is as follows;

- Functional Unit: Product 1ton
- Product: HFC R-PUF (Density 130kg/m³)
- Process: HFC-R-PUF manufacturing process (Anseong plant)
- System Boundary: Cradle-to-Gate (Partial: Up to the R-PUF manufacturing process)
- Covered Data period: 1 January 2025 to 31 December 2025
- Impact Assessment Methodology: IPCC AR6
- Others: Although the product is shipped after subsequent processing following foam manufacturing, the analysis was conducted using foam manufacturing as the system boundary, and the blowing agent was assumed to be 100% released into the atmosphere during the product curing process and reflected in the direct emissions.

Verification Criteria

The Carbon Footprint of the product was conducted in accordance with 'ISO 14040:2006/Amd 1:2020', 'ISO 14044:2006/Amd 2:2020', and 'ISO 14067:2018'. The verification was performed in accordance with the principles and requirements of 'ISO 14064-3:2019 (Part 3: Specification with guidance for the verification and validation of greenhouse gas statements)', based upon a limited level of assurance with 5% materiality level. DNV has assessed the environmental impacts reported in the 'R-PUF analysis report' with explicit reference to the principles and requirements of 'ISO 22095:2020 (Chain of Custody – General terminology and models)', specifically applying the Mass Balance approach.

Limitations

The engagement is limited to the assessment of the Carbon Footprint (including data on raw material usage, energy consumption, transportation, and production output, etc.), as calculated in 'R-PUF analysis report'. DNV does not guarantee the reliability of the results if any material discrepancies affecting the Carbon Footprint results are identified after the verification. Since the Mass Balance approach is based on modeling and assumptions, there is inherent uncertainty in the resulting environmental impact values. This verification did not include a quantitative assessment of such uncertainty.

Verification Result

Based on the process and procedures conducted, there is no evidence that the environmental impacts statement is not materially correct and is not a fair representation of data and information.

- DNV presents an 'Unmodified' opinion on the Carbon Footprint of HFC R-PUF.

Product	Result	Unit	Comments
HFC R-PUF	88.62E+00	ton CO ₂ eq	

20 May 2026
Seoul, Korea

Responsibilities of the Directors of SK chemicals and DNV

The Directors of SK chemicals have sole responsibility for the preparation of the LCA Report. Our Opinion represents our independent opinion and is intended to inform all related stakeholders.

DNV was not involved in the preparation of any statements or data included in the LCA Report by SK chemicals except for this Verification Opinion.

DNV's assurance engagement is based on the assumption that the data and information provided by SK chemicals to us as part of our review have been provided in good faith. DNV expressly disclaims any liability or co-responsibility for any decision a person or an entity may make based on this Independent Verification Opinion.

Competence and Independence

DNV's established policies and procedures are designed to ensure that DNV, its personnel and, where applicable, others are subject to independence requirements (including personnel of other entities of DNV) and maintain independence where required by relevant ethical requirements. This engagement work was carried out by an independent team of GHG assurance professionals.

DNV applies its own management standards and compliance policies for quality control, which are based on the principles enclosed within ISO/IEC 17029:2019 - Conformity Assessment Requirements for validation and verification bodies, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

DNV Business Assurance Korea

DNV Business Assurance Korea Ltd. is part of DNV Group, a global provider of certification, verification, assessment and training services, assisting customers to achieve sustainable business performance.

DNV Business Assurance Korea

Country Representative

J.S. Jang-sup Lee

