

Verification Opinion

on EU CBAM Specific Embedded Emissions

Shinjinfasteners.Co. LTD

87-2, Yongwon 4-gil, Seongnam-myeon, Dongnam-gu, Cheonan-si, Chungcheongnam-do

1. Verification Scope

The Korea Standards Association (hereafter "KSA") has conducted a limited assurance verification of the embedded emissions for the transitional period of the EU Carbon Border Adjustment Mechanism (CBAM) for Shinjinfasteners.Co. LTD. a beneficiary of the "SME CBAM Response Infrastructure Establishment Project" supported by the Korea SMEs and Startups Agency.

- Aggregated goods category: Steel product (refer to annex)
- System boundary
 - 1) Factory: Bolt manufacturing process (87-2, Yongwon 4-gil, Seongnam-myeon, Dongnam-gu, Cheonan-si, Chungcheongnam-do)
- Reporting period: 01/01/2024 – 31/12/2024

2. Verification Standards

KSA conducted the verification based on the CBAM legislation and implementation regulations, as well as domestic guidelines & etc.

- CBAM Regulation (EU) 2023/956
- CBAM Implementing regulation for – Commission Implementing Regulation (EU) 2023/1773
- Guidance Document on CBAM Implementation for Installation Operators Outside the EU (08/12/2023)
- EU-ETS Monitoring and Reporting Regulation – Commission Implementing Regulation (EU) 2018/2066
- EU-ETS Monitoring and Reporting Regulation – Commission Implementing Regulation (EU) 2024/2493
- EU CBAM Implementation Guideline for transitional period (Ver 3.0.0 The Ministry of Trade, Industry and Energy and the Ministry of Environment, Republic of Korea)
- ISO 14064-3:2019
- Guidelines on Emissions Reporting and Certification under the Greenhouse Gas Emission Trading Scheme (Ministry of Environment Notice No. 2024-155, Republic of Korea)

3. Assurance and Responsibilities

The responsibility for providing fair and accurate information and supporting documentation regarding the embedded emissions under CBAM lies with Shinjinfasteners.Co. LTD. The responsibility of the KSA is limited to the assurance of the specific embedded emissions for the CBAM-relevant products under verification.

- Site inspection: 24/10/2025
- Verification Measure:
 - Review of the management systems and data applied for calculating embedded emissions during the reporting period
 - Traceability review of internal documents and supporting materials, including recalculation
 - On-site verification and interviews with responsible personnel

4. Limitations

The verification of specific embedded emissions for Shinjinfasteners.Co. LTD. conducted by the KSA may be influenced by factors such as data limitations and uncertainties. There may be errors or omissions that were not detected during the verification process.

5. Conclusion

The KSA, under the limited level of assurance specified in ISO 14064-3, did not find any issues that could be considered as improperly calculated or containing significant errors. However, a "satisfactory with comments" opinion is provided regarding the CBAM specific embedded emissions due to the following reasons:

- Precursor Emissions: Emission data submitted by the precursor supplier has been applied, however the data has not been verified independently. Thus, uncertainty is exist.
- Data Collection: Some data, e.g. power consumption in the production process of external processors, have been applied with estimates, not with actual measurements. However, the data is within reliable tolerance and likely not to result in a significant impact on overall emissions calculations.

● Appendix. Identified CBAM goods and SEE in 2024

CBAM Goods and its CN CODE	
STEEL	7318 15 35
STEEL	7318 15 62
STEEL	7318 15 75

CBAM goods	(Unit : ton CO ₂ eq/ton)		
	SEE (Direct)	SEE (Indirect)	SEE (Total)
Stud bolts (7318 15 35)	0.73480	0.93436	1.66916
hexagonal socket bolts (7318 15 62)	0.74636	1.15314	1.89950
hexagonal bolts (7318 15 75)	1.15376	1.24802	2.40178

- SEE: Specific Embedded Emissions
- In accordance with the CBAM regulations, values have been rounded to the fifth decimal place, with rounding applied at the sixth decimal place. As a result, the final digits of the aggregated values may not align due to the handling of significant figures.

Oct. 31st 2025

Dongmin Moon

Signature of Chairman & CEO of KSA

DongMin Moon

Name of Chairman & CEO of KSA