



South Asia

VALIDATION STATEMENT

The Certification Body, Energy and Environment of
TÜV SÜD South Asia Pvt Ltd

Validated

Georgsmarienhütte GmbH

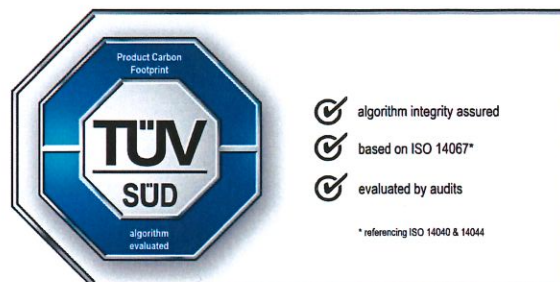


**Georgsmarienhütte
GMH GRUPPE**

Neue Hüttenstraße 1
49124 Georgsmarienhütte
Germany

**Product Carbon Footprint Methodology rev. 0
of Product Carbon Footprint
Calculation Tool v. 15 June 2023**

Based on
ISO 14067:2018



Validation Statement No.: VVB-06/2023-2
Vide Report No.: IS-UT-DEK-T0005524-2023-03

Shruti Kudtarkar

Date: 31/07/2023

Statement continued



Project title	Validation of calculation methodology/algorithm of Product Carbon Footprint's (PCF) calculation tool according to ISO 14067:2018 and the GHG Protocol Product Life Cycle Accounting and Reporting Standard
Name of the Client	Georgsmarienhütte GmbH
Location	49124 Georgsmarienhütte, Germany
Technology/ Sector	Steel production by electric arc furnace
Boundary	Cradle-to-gate
Criteria	In line with ISO 14067:2018, GHG Protocol Product Life Cycle Accounting and Reporting Standard
Validation report no.:	IS-GHG_Validation-Report_IS-UT-DEK-T0005524-2023-03_V01
Issuance date	01 July 2023
Expire date ¹	30 July 2026

1 Subject to no change in the tool algorithm and every year surveillance audit.

Objective:

The objective of this validation was to determine the extent of conformity of the calculation methodology/algorithm of Georgsmarienhütte GmbH's (GMH) automated Product Carbon Footprint (PCF) calculation tool in line with the applicable principles and requirements of ISO 14067:2018 and the GHG Protocol Product Life Cycle Accounting and Reporting Standard. The validation was performed based on version 15 June 2023 of GMH's PCF calculation tool and PCF methodology document called 'manual' revision 0 dated on 16 June 2023. The calculation tool is connected to GMH's ERP software and doesn't need manually input.

Disclaimer:

- Scope of assurance was solely the logic and calculation method of the automated PCF calculation tool. The result of the PCF itself is not confirmed.
- The functionality of the PCF calculation tool was reviewed by several specific PCFs done by the calculation tool. The software code itself was not subject of the audit.

Level of Assurance Achieved: Reasonable.

Quantitative Materiality: not applicable

The concept of quantitative materiality threshold is considered to be not applicable for the performed validation of PCF calculation tool's calculation logic, as there is no statement made regarding the result of the PCF calculation tool.



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Conclusion including any qualifications or limitations:

Whether there is

evidence that the calculation methodology/algorithm of GMH's automated PCF calculation tool (version 15 June 2023, described in GMH's PCF methodology 'manual' revision 0 dated on 16 June 2023) is in accordance with the requirements and standards used herein.

The validation will be valid for 3 years subject to no change in the algorithm/methodology of the PCF calculation tool Surveillance audits have to be carried out annually for first and second year. Objective of the surveillance audit will be again the functionality check of the PCF calculation tool by PCF examples and the review of changes and maintenance of the calculation tool.

Disclaimer:

Scope of assurance was solely the logic and calculation method of the automated PCF calculation tool. The result of the PCF itself is not confirmed.

The functionality of the PCF calculation tool was reviewed by several specific PCFs done by the calculation tool. The software code itself was not subject of the audit.

no evidence that the calculation methodology/algorithm of GMH's automated PCF calculation tool (version 15 June 2023, described in GMH's PCF methodology 'manual' revision 0 dated on 16 June 2023) is in accordance with the requirements and standards used herein.