

# Verification Statement

VS-3734311-1

The Greenhouse Gas Declaration "Annual Report for 2020" dated from 21.07.2023

**Dr.-Ing. Max Schlötter GmbH & Co. KG**  
**Talgraben 30**  
**73312 Geislingen/Steige**

with references to the Greenhouse Gas balances of the sites Geislingen and Salzburg

has been verified in accordance with ISO 14064-03:2019 with respect to compliance with the requirements of ISO 14064-01:2019 (CCF).

## Corporate Carbon Footprint

Reporting period:	2020
Scope 1 Emissions in t CO <sub>2</sub> e:	1.047
Scope 2 Emissions in t CO <sub>2</sub> e:	258
Scope 3 Emissions in t CO <sub>2</sub> e:	14.685
Scope 3 Sinks in t CO <sub>2</sub> e:	0
<b>Total sum of GHG balance in t CO<sub>2</sub>e:</b>	<b>15.990</b>


Agreed level of assurance                      reasonable

Materiality thresholds                              5 % for total sum  
 of reported greenhouse gas emissions

This verification statement is only valid for the set system and reporting boundaries, the scope of application mentioned and in conjunction with the objectives and criteria for the assessment as well as our conclusions (next pages).

TÜV SÜD Industrie Service GmbH  
 Verification body accredited by DAkkS according to ISO 17029  
 Westendstrasse 199, 80686 Munich, Germany

Munich, 21.07.2023




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## **Explanation to the Verification statement**

### **Brief description of the Verification process**

Dr.-Ing. Max Schlötter GmbH & Co. KG (client) has voluntarily commissioned TÜV SÜD Industrie Service GmbH (verification body) to perform an independent (third party) verification of its greenhouse gas (GHG) statement on the reporting year 2020 for the herein included sites Geislingen and Salzburg.

This verification was based on the intended scope, objectives and criteria agreed with the commissioning on 12.12.2022.

On 04.05.2023, the personnel deployed by the Verification Body conducted an audit at the client in Geislingen with a document review and a site visit as well as interviews with responsible and to the preparation of the GHG statement contributory representatives of the client.

Within this process, documents and evidence for the site Salzburg have also been viewed. During the audit, sufficient evidence could be viewed and impressions of the situation on both sites could be gathered to assess the information in the balances and in the GHG report in terms of the task.

### **Roles and responsibilities**

The determination and reporting of GHG emissions are the sole responsibility of our client.

Our role and responsibility as an accredited verification body was to independently verify the adequacy of the GHG emissions reported by our client, as well as their underlying systems and processes for collection, analysis and control, in accordance with the requirements of ISO 14064-3.

### **Standards for data processing**

DIN EN ISO 14064-1:2019

#### *Comment:*

*The mentioned standard intends that a GHG statement is prepared as separate documentation which includes all relevant information on the requirements of Chapter 9.3 of this standard. In this case it is the "Corporate Carbon Footprint – Annual Report for 2020". The approaches to the reporting are described resp. regulated in this report as well as in process and procedure descriptions of the management system. The data processing and the presentation of results are done in guided Excel files. The emission contributions are calculated using the software Umberto, version 11.9.1, and the database Ecoivent, version 3.9.1.*

### **Scope of application / System boundaries**

In line with the task definition, this verification only covers the business activities of the client at the operating sites Geislingen und Salzburg.

The activities of Dr.-Ing. Max Schlötter GmbH & Co. KG include development, analytics, production and sales of procedures and chemicals for surface treatment (pretreatment, copper, nickel galvanic and currentless, chrome, silver, gold, zinc and zinc alloys, chromate coatings, passivation, tin and tin alloys as well as others).

Significant and here considered GHG sources are:

Scope 1

- combustion of natural gas in CHP and heating systems
- combustion in mobile plants (fleet and company cars)
- CO<sub>2</sub> release from the process of operational wastewater treatment (UV oxidation reactors)

Scope 2

- indirect emissions from imported energy (electricity)

Scope 3

- emissions from purchased goods (chemicals, packaging, paper a.o.)
- indirect emissions from transportation:
  - upstream transportation and distribution for goods,
  - downstream transportation for distribution for products
- business travel (without travel with company cars)
- employee commuting
- waste disposal

**Not included** according to the results of the conducted significance analysis (based on a cost analysis) are indirect emissions from:

- material usage of plant construction (because of forwarding to costumers)
- emission contributions from investment in capital goods (as non in reporting period)
- emission contributions from leased assets (because the consumption data of the operation is mostly included in Scope 1 and Scope 2)
- transportation and distribution of electrical energy and energy sources (already considered with the used factors in Scope 1 and Scope 2)
- emission contributions from the usage and end-of-life phase of sold products

As further exclusion criteria it is named that Dr.-Ing. Max Schlötter GmbH & Co. KG has no operational or financial control of these emission contributions.

Direct removal and storage do not occur.

During the treatment of the wastewater of the production at the site Geislingen organic components are oxidated. The hereby emerged CO<sub>2</sub> emissions are determined from treated wastewater amount and TOC analysis data.

**Relevant emissions in the balance**

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Carbon dioxide (CO <sub>2</sub> ), | <input type="checkbox"/> Perfluorocarbons,                        |
| <input type="checkbox"/> Methane (CH <sub>4</sub> ),                   | <input type="checkbox"/> sulphur hexafluoride (SF <sub>6</sub> ), |
| <input type="checkbox"/> nitrogen dioxide (N <sub>2</sub> O),          | <input type="checkbox"/> nitrogen trifluoride (NF <sub>3</sub> )  |
| <input checked="" type="checkbox"/> hydrofluorocarbons,                | <input type="checkbox"/> other                                    |

The greenhouse gas inventory contains the specified greenhouse gases with information as CO<sub>2</sub> equivalents.

For the reporting responsible representatives of Dr.-Ing. Max Schlötter GmbH & Co. KG identified and analysed possible emission sources related to the business activities. Thereby it was identified that there is no direct handling of other greenhouse gases like methane CH<sub>4</sub>, nitrogen dioxide N<sub>2</sub>O, perfluorocarbons PFC, sulphur hexafluoride SF<sub>6</sub>, nitrogen trifluoride NF<sub>3</sub>.



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Only R410A is used for air conditioning. For this reporting period, no emissions contributions need to be considered as no leakage was registered and no refilling took place.

### Specific Measures / Particularities in reporting

Dr.-Ing. Max Schlötter GmbH & Co. KG allocates the emissions from the purchased goods based on a cost analysis. In addition to the chemicals as the raw materials for the production and the packaging for the products as well as paper consumption, partial contributions from packaging of the delivered cafeteria food and coffee cups are taken into account.

The subdivision of the balance is oriented not only to the specifications of DIN EN 14064-1 but also to the subcategories of the GHG Protocol.

By far the largest indirect emission contributions come from the procurement of chemicals and packaging materials. Compared to other auxiliary materials, this already covers more than 90 % of this amount. Secondary data from a database are predominantly used to determine the CO2 backpack brought along. Dr.-Ing. Max Schlötter GmbH & Co. KG is aware of the corresponding insecurities which are related to this. To achieve a systematic improvement by replacing secondary data with concrete supplier information, an assessment system was developed which clearly shows the given potential to increase the data accuracy. This makes it possible to work specifically towards more provision and use of primary data on the procured chemicals in the future.

### Intended users of this verification statement

- for internal purposes: as a basis for defining saving targets
- for communication with business customers
- if applicable, publication on websites (together with this verification statement)

### Standard for the verification

DIN EN ISO 14064-3:2019  
in conjunction with DIN EN ISO 14064-1:2019

## Objectives of the Verification

The assessment was performed with due regard to our impartiality in a risk-based approach. Rational procedures were applied to reach reliable and reproducible conclusions. Our conclusions are based on a sufficient amount of suitable evidence which were collected or had been viewed in the audit.

## Criteria

The data review was conducted according to the following criteria:  
Relevance, completeness, accuracy, transparency of information and consistency.  
The assessment of alternatives according to the quantification model used was carried out according to the principle of conservatism.

**Agreed level of assurance**                      reasonable

*Comment:*

*At a reasonable - but not absolute - level of assurance, we check that the GHG statement is substantially correct. This includes a review of the processes, data and evidence on their correctness and accuracy with an appropriately adequate sample size.*

## Materiality threshold

5 % for the total sum of greenhouse gas emissions recorded in the balance

*Comment:*

*The materiality threshold is a benchmark for our assessment of data gaps, misstatements and non-conformities remaining at the end of our review.*

*Gaps, omissions, inaccuracies identified during the review that result in quantities greater than the established thresholds constitute a "material deviation", i.e. non-conformity, that must be addressed before a verification statement can be issued.*

*The level agreed here with the assignment was a proposal on our part, with which the claims regarding completeness of the processed data can be described as demanding.*

## Methods of Verification

- Interviews with responsible representatives of Dr.-Ing. Max Schlötter GmbH & Co. KG
- Review of evidence for usage of natural gas, electricity, and material
- Review of data and information systems and the methodology for collecting, aggregating, analysing, and verifying the information used to determine GHG emissions
- Sample testing of data and evidence used to determine GHG emissions, including tracing the sources of the emission factors
- Understanding the calculations of the GHG balance in Umberto (during the audit)
- Strategic analysis and risk assessment on the submitted GHG Statement
- Recalculation of the greenhouse gas balance
- Independent audit  
(quality assurance by an auditor who was not involved in the audit process)

## Conclusions

In our review of Dr.-Ing. Max Schlötter GmbH & Co. KG's GHG Statement, we find that the determined GHG emissions, removals and storage are presented fairly, in all material respects, in accordance with the requirements and standards used herein.

Based on the results of our verification process, we confirm the reported emissions in the table in chapter 4.1 of the Annual Report and the achievement of the specified level of assurance as well as the compliance with the agreed materiality thresholds.

No data gaps on the reported emission contributions were identified.

Our verification statement is only to be interpreted in conjunction with the Dr.-Ing. Max Schlötter GmbH & Co. KG Greenhouse Gas Statement as a whole.

This statement is issued in accordance with the agreement reached with the client and within the framework of our validation and verification regulations. The results recorded here are based on our internal documentation dated 05.07.2023 for this verification with project no. 3734311.