

EN/RMSC/PCFV/2023/08/005

## Product Carbon Footprint (PCF) Verification Statement

The organization

**Henan Mingtai Al. Industrial Co., Ltd.**

Development Zone, Huiguo Town, Gongyi City,  
Henan Province, P.R. China

Factory Address: Development Zone, Huiguo Town, Gongyi City,  
Henan Province, P.R. China

Report

### Alloy 5005 Product Product Carbon Footprint Assessment Report

Product / Functional Unit (FU)

**Greenhouse gas emission of a ton of Alloy 5005 product  
from cradle to gate is 5.897 tCO<sub>2</sub>e per ton.**

The PCF calculation and report provided by the mentioned organization have been verified by SGS as comply for ISO 14040:2006 Environmental management - Life cycle assessment - Principles and framework, ISO 14044:2006 Life Cycle Assessment - Requirements and Guidelines, and ISO 14067:2018 Greenhouse gases - Carbon footprint of products - Requirements and guidelines for quantification and communication.

This verification is based on the report and supporting materials submitted by above organization on August. 12, 2023, details please refer to report: 2023/MT/TZJ/0807-01



Signed by

*Chris Chen*

Issue Date: 12/09/2023  
Green Product Service  
Voluntary Certification Centre

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Report

## Alloy 5005 Product Product Carbon Footprint Assessment Report

Product / Functional Unit (FU)

**Greenhouse gas emission of a ton of Alloy 5005 product  
from cradle to gate is 5.897 tCO<sub>2</sub>e per ton.**

Information is summarized as follow:

Name of Applicant:	Henan Mingtai Al. Industrial Co., Ltd.
Address of Applicant:	Development Zone, Huiguo Town, Gongyi City, Henan Province, P.R. China
Address of Factory:	Development Zone, Huiguo Town, Gongyi City, Henan Province, P.R. China
Product Description:	Alloy 5005 product is featured with good formability, corrosion resistance, welding performance, and anodizing performance. It is typically used for electrical conductor, cooking ware, instrument panel and housing, building exterior and interior finishing, automotive interior, etc.
Data Collection:	The PCF calculation and report provided by the mentioned organization based on the data collected from January 2022 to December 2022 have been verified by SGS.
Calculation Approach:	The calculation has been verified by SGS as comply for ISO 14040:2006 Environmental management - Life cycle assessment - Principles and framework, ISO 14044:2006 Life Cycle Assessment - Requirements and Guidelines, and ISO 14067:2018 Greenhouse gases - Carbon footprint of products - Requirements and guidelines for quantification and communication.
System Boundary:	The calculation has been verified by SGS as in accordance with Life Cycle Assessment principles. The carbon footprint calculation results from cradle to gate are shown in this summary.
Greenhouse Gas Calculated:	Carbon dioxide equivalent value on the basis of their per unit radiative forcing using 100-year global warming potentials defined by the Intergovernmental Panel on Climate Change (IPCC 2021, Table 7.SM.7). Green House Gas is listed in IPCC 2021, Table 7.SM.7.
SGS Report:	SGS/RMSC/2023/PCFV/C/0805



Signature

*Chris Chen*

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