EN/RMSC/PCFV/2023/08/006

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 5052 Product Product Carbon Footprint Assessment Report

Product / Functional Unit (FU)

Greenhouse gas emission of a ton of Alloy 5052 product from cradle to gate is 6.134 tCO_2e 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/0807-02

CARBON FOOTPRINT
Sustainability Services

Signed by

Chris Chen

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

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Alloy 5052 Product
Product Carbon Footprint Assessment Report

Product / Functional Unit (FU)

Greenhouse gas emission of a ton of Alloy 5052 product from cradle to gate is 6.134 tCO_2e 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 5052 product is featured with good formability and corrosion resistance. As an extensively used anti-rust aluminium, it is typically used for luggage case, fuel tank, LCD back-panel, tank body, door plank, High-voltage switch enclosure, 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/0806

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Signature

Chris Chen

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