

EN/RMSC/PCFV/2024/01/009

Product Carbon Footprint (PCF) Verification Statement

The organization

Gongyi Guandong Metal Technology Co., Ltd.

Guanzhuang village, Zhitian Town, Gongyi City,
Henan Province, P.R. China

Factory Address: Guanzhuang village, Zhitian Town, Gongyi City,
Henan Province, P.R. China

Report

ALLOY 8011 PRODUCT Product Carbon Footprint Assessment Report

Product / Functional Unit (FU)

**Greenhouse gas emission of ALLOY 8011 PRODUCT from cradle to gate
is 6.240 kgCO₂e per kg.**

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.

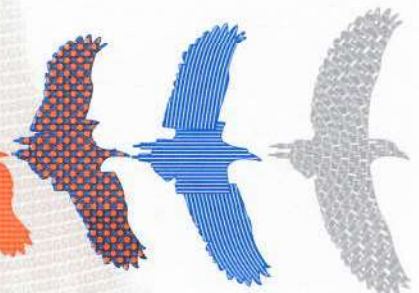
This verification is based on the report and supporting materials submitted by above organization on December. 20, 2023, details please refer to report: 2024/PCFV/C/0109



Signed by

Issue Date: 18/01/2024
Green Product Service
Voluntary Certification Centre

SGS-CSTC Standards Technical Services Co., Ltd.
15F, No.900, Yishan Road, Xuhui District, Shanghai, China 200233
t + 86 (0)21 6140 2666 f + 86 (0)21 6115 2359 www.sgsgroup.com.cn



ALLOY 8011 PRODUCT Product Carbon Footprint Assessment Report

Product / Functional Unit (FU)

Greenhouse gas emission of ALLOY 8011 PRODUCT from cradle to gate is 6.240 kgCO₂e per kg.

Information is summarized as follow:

Name of Applicant:	Gongyi Guandong Metal Technology Co., Ltd.
Address of Applicant:	Guanzhuang village, Zhitian Town, Gongyi City, Henan Province, P.R. China
Address of Factory:	Guanzhuang village, Zhitian Town, Gongyi City, Henan Province, P.R. China
Product Description:	Alloy 8011 products performs well in deep-drawing, moisture-proofing, and light-shading. With high mechanical performance, it is widely used in packaging, such as caps for alcoholic and soft drinks, pharmacy and cosmetics, etc.
Data Collection:	The PCF calculation and report provided by the mentioned organization based on the data collected from October 1, 2022 to September 30, 2023 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/2024/PCFV/C/0109



Signature

Chris Chen

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