

Product Carbon Footprint Verification Statement

The Product Carbon Footprint study of
1 kg Partly Pure Aluminum Alloy Ingot
which is conducted

Guangzhou Lizhong Jinshan Alloy CO., Ltd.

No. 498, Xianning Road, Xaincun Town, Zengcheng District, Guangzhou City, P.R. China

has been verified meeting the requirements of

ISO 14067:2018

The carbon footprint of

1 kg Partly Pure Aluminum Alloy Ingot (Series: XK360/3BU01014, XK360.2, XK360.2-F, A413/3BU01013, A413.2, A360/3BU01001, AISi12Cu/3BU01006, 3BU01025, ADC1, WD-ADC1, ADC2, AISi12Cu1(Fe), AISi12(Fe), DC01(R2), 43400, YL102, 3MM-01, AISi10MnMg, 3MM-07) is
2.42 kg CO₂ e.

For the life cycle stages of product:

[Cradle to Gate]



Authorized by

David Xin

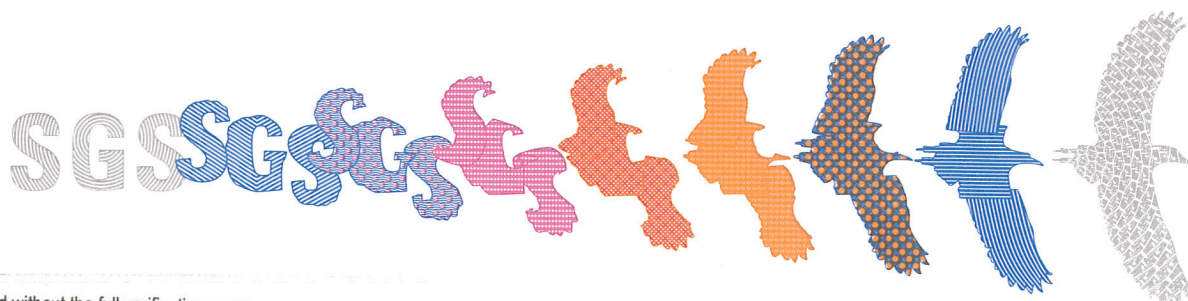
Sr. Director - Business Assurance

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Statement CN24/00005570, continued

SGS-CSTC Standards Technical Services Co., Ltd. (hereinafter referred to as “SGS”) has been commissioned by Guangzhou Lizhong Jinshan Alloy Co., Ltd. (hereinafter referred to as “LIZHONG JINSHAN”), No. 498, Xianning Road, Xiancun Town, Zengcheng District, Guangzhou City, P.R. China, for the verification the life cycle Greenhouse Gas emissions of product as provided by LIZHONG JINSHAN accordance with

ISO 14067:2018

Roles and responsibilities

LIZHONG JINSHAN is responsible for the management of its GHG information system, the development and maintenance of records and reporting procedures in accordance with that system, including the calculation and determination of the life cycle GHG emissions of product information and the reported life cycle GHG emissions of product.

It is SGS's responsibility to express an independent GHG verification opinion on the life cycle GHG emissions of 1kg Partly Pure Aluminum Alloy Ingot.

SGS conducted a third-party verification of the provided GHG assertion against the principles of ISO 14067:2018, ISO 14040:2006 and ISO 14044:2006 in the period from 27 Aug 2024 to 30 Aug 2024. The verification was based on the verification scope, objectives and criteria as agreed between LIZHONG JINSHAN and SGS.

Level of Assurance

The level of assurance agreed is that of reasonable assurance.

Scope

LIZHONG JINSHAN has commissioned an independent verification by SGS of reported the life cycle GHG emissions of product of LIZHONG JINSHAN arising from the manufacture of 1 kg Partly Pure Aluminum Alloy Ingot (Series: XK360/3BU01014, XK360.2, XK360.2-F, A413/3BU01013, A413.2, A360/3BU01001, AISi12Cu/3BU01006, 3BU01025, ADC1, WD-ADC1, ADC2, AISi12Cu1(Fe), AISi12(Fe), DC01(R2), 43400, YL102, 3MM-01, AISi10MnMg, 3MM-07) (hereinafter referred to as “Partly Pure Aluminum Alloy Ingot”)product activities, to establish conformance with ISO 14067:2018 principles within the scope of the verification as outlined below.

This engagement covers verification of emission from partial life cycle of the product of greenhouse gases included within the organization's boundary and is based on ISO

14067:2018.

- Title or description activities: GHG verification of the life cycle GHG emissions of 1kg Partly Pure Aluminum Alloy Ingot.
- Product Category Rule: NA.
- Functional unit: 1 kg Partly Pure Aluminum Alloy Ingot.
- System boundary: Covers a “Cradle to Gate” (the gate refers to factory gate) assessment of the life cycle emissions, from raw material extraction to product leaving the factory. The system boundary be clearly defined in accordance with ISO 14040:2006, ISO 14044:2006 and ISO 14067:2018.
- Data resources: The primary data collection from manufacture and own operation phase. The secondary data collection from Simapro.
- Life cycle assessment tool and index using:
 - Calculation table applied.
 - IPCC 2021 GWP values are applied in this inventory.
- Cut-off rules: The flow is less than 1% of the cumulative mass of the model it be excluded, providing its environmental relevance is not a concern, a minimum 95% of the total mass for the system is captured.
- Allocation rules:
 - Multi-output: The allocations are based on the changes in the resource consumption and pollutant emissions following the changes in the studied system's output product, or function or economical relationship.
 - Multi-input: The allocation is based on actual relationship. For example, the manufacturing process's consumption may be affected by the change in recycled resource input.
- Manufacturing locations: No. 498, Xianning Road, Xiancun Town, Zengcheng District, Guangzhou City, P.R. China.
- Emissions and removal of the product system included: please refer to the LIZHONG JINSHAN 1 kg Partly Pure Aluminum Alloy Ingot CFP research report.
- Types of GHGs included: CO₂, CH₄, N₂O, Substances controlled by the Montreal Protocol, HFCs, PFCs, Fluorinated ethers, Perfluoropolyether, Hydrocarbons compounds.
- Mitigation: There is no GHG emissions offsetting used at any point in the life cycle of the product.
- GHG information for the following production period was verified: Jan 2024 to Jun 2024, emissions covered the particular period.
- Intended user of the verification statement: Customer

Statement CN24/00005570, continued

Objective

The purposes of this verification are, by review of objective evidence, to independently review:

- Whether the life cycle GHG emissions and removals of product are as declared by the organization's CFP evaluation report.
- The data reported are accurate, complete, consistent, transparent and free of material error or omission.

Criteria

Criteria against which the verification assessment is undertaken are the principles of ISO 14067:2018.

Materiality

The materiality required of the verification was considered by SGS to 5%, based on the needs of the intended user of the GHG Assertion.

Conclusion

LIZHONG JINSHAN provided the GHG assertion based on the requirements of ISO 14067:2018. The life cycle GHG information of product for the production period from Jan 2024 to Jun 2024 disclosing emissions of 1 kg Partly Pure Aluminum Alloy Ingot, covering a Cradle to Gate system boundary, are verified by SGS to a reasonable level of assurance, consistent with the agreed verification scope, objectives and criteria.

The life cycle GHG emissions of 1 kg Partly Pure Aluminum Alloy Ingot are described as below:

Life Cycle Phase	GHG Emissions	Unit
Raw material	2.11	kg CO ₂ e
Raw material transport	0.01	kg CO ₂ e
Manufacture phase	0.30	kg CO ₂ e
Total	2.42	kg CO ₂ e

SGS's approach is risk-based, drawing on an understanding of the risks associated with reporting the life cycle GHG emissions of product information and the controls in place to mitigate these. Our examination includes assessment, on a test basis, of evidence relevant to the amounts and disclosures in relation to the organization's reported the life cycle GHG emissions of product.

We planned and performed our work to obtain the information, explanations and evidence that we considered necessary to provide a reasonable level of assurance that the life cycle GHG emissions of 1 kg Partly Pure Aluminum Alloy Ingot.

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We conducted our verification with regard to the GHG assertion of 1 kg Partly Pure Aluminum Alloy Ingot which included assessment of GHG information system, monitoring and reporting plan/protocol. This assessment included the collection of evidence supporting the reported data, and checking whether the provisions of the protocol reference, were consistently and appropriately applied.

In SGS's opinion the presented GHG assertion

- is materially correct and is a fair representation of the GHG data and information, and
- is prepared in accordance with ISO 14067:2018 on GHG quantification, monitoring and reporting.

This statement shall be interpreted with the LIZHONG JINSHAN 1 kg Partly Pure Aluminum Alloy Ingot CFP research report and this result shall be valid for a maximum period of two years.

Note: This Statement is issued, on behalf of Client, by SGS-CSTC Standards Technical Services Co., Ltd. ("SGS") under its General Conditions for Green Gas Verification Services available at http://www.sgs.com/terms_and_conditions.htm. The findings recorded hereon are based upon an audit performed by SGS. A full copy of this statement, the findings and the supporting GHG Assertion may be consulted at Guangzhou Lizhong Jinshan Alloy Co., Ltd. This Statement does not relieve Client from compliance with any bylaws, federal, national or regional acts and regulations or with any guidelines issued pursuant to such regulations. Stipulations to the contrary are not binding on SGS and SGS shall have no responsibility vis-à-vis parties other than its Client.