

声明编号: CN/RMSC/PCFV/2026/06/006

产品碳足迹核查声明

本声明颁发给:

河北新立中有色金属集团有限公司

公司地址: 中国河北省保定市清苑区发展西路 338 号

制造地址: 中国河北省保定市清苑区发展西路 338 号

所提供的 80%再生铸造铝合金锭碳足迹报告

声明单位 / 功能单位: 一千克 80%再生铸造铝合金锭从摇篮到大门的产品碳足迹为 3.78 千克二氧化碳当量。

该公司所提供的产品碳足迹报告及支持性文件经 SGS 核查,
符合 ISO 14040:2006 环境管理 - 生命周期评价 - 原则和框架、
ISO 14044:2006 环境管理 - 生命周期评价 - 要求和指南、
ISO 14067:2018 温室气体排放 - 产品碳足迹 - 量化要求与指南。

本核查声明必须与上述 80%再生铸造铝合金锭产品碳足迹报告 (V2.0)
作为一个整体进行解释说明。

签署

颁发日期: 2026 年 6 月 11 日

绿色产品服务
自愿性产品认证中心

通标标准技术服务有限公司
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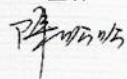
"This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law."

本产品碳足迹合理保证声明还包含以下内容:

- 产品描述: 铝合金锭主要应用于轮毂、转向节、副车架、摇臂等汽车零部件以及电力金具, 产品从汽车行业用户辐射到 5G 通信、航空航天、高铁、电力电子、机械、船舶等领域。
型号包括 AlSi10Mg(Fe)、AlSi10MnMg、AlSi10MnMg(HDX)、YL104、AlSi10Mg(Fe)+Mg+Sr、YZ-8、YZ-10、JZ-2、AlSi12(Fe)、K-ALLOY、YZ-3、A390、A390-1、AlSi12CuNiMg、ZLD109、ZLD107、A1S1-L、JZ-4、AlSi24。
- 系统边界: 该公司被核查产品的系统边界为从摇篮到大门的生命周期阶段包括原材料获取、制造等过程。
- 数据收集: 该公司所提供的产品碳足迹计算及报告来源于 2025 年 1 月 1 日至 2025 年 12 月 31 日收集的数据。
- 数据资源: 初级数据来源于产品的原材料、生产现场所收集到的数据; 次级数据来源于联合国政府间气候变化专门委员会 2021 年的公开报告 (Intergovernmental Panel on Climate Change 2021, 英文缩写为 IPCC 2021) 表 7.SM.7 定义的 100 年全球增温潜势、生命周期清单数据库 Ecoinvent 3.11。
- 分配原则: 物理分配法。
- 取舍准则: 由于原辅料的包装材料本身的质量占比很小, 其质量远小于产品的 1%, 属于非实质性贡献, 因此不包括在本次研究范围内, 符合取舍准则。部分辅料本身的质量占比很小, 质量小于输入物料的 0.5%, 总质量小于输入物料的 1%, 属于非实质性贡献, 因此不包括在本次研究范围内。
- 产品碳足迹报告: 该公司于 2026 年 6 月 10 日提供了产品碳足迹报告, 经 SGS 核查是实质性准确的, 被核查的产品碳足迹数据和信息得到了真实的展现, 且依据了 ISO 14067:2018、ISO 14040:2006 和 ISO 14044:2006 标准明确界定的要求对产品的碳足迹进行了量化、监控和报告。

签署



颁发日期: 2026 年 6 月 11 日
绿色产品服务
自愿性产品认证中心

Product Carbon Footprint Verification Statement

This statement is issued to:

Hebei New Lizhong Nonferrous Metals Group Co., Ltd.

Company Address: No.338 Fazhan West Road, Qingyuan District, Baoding City,
Hebei Province, P.R.China

Factory Address: No.338 Fazhan West Road, Qingyuan District, Baoding City,
Hebei Province, P.R.China

Submitted report for this verification is
"80% recycled cast aluminium alloy ingots PCF report"

Declared Unit / Functional Unit:
Product Carbon Footprint of 80% recycled cast aluminium alloy ingots from
cradle to gate is 3.78 kg CO₂e per kilogram

The PCF report and supporting documents for the above mentioned product have been provided by the company and reviewed by SGS in accordance with ISO 14040:2006 Environmental management – Life Cycle Assessment – Principles and Framework, ISO 14044:2006 Environmental management – Life Cycle Assessment – Requirements and Guidelines, and refer to ISO 14067:2018 Greenhouse gases – Carbon footprint of products – Requirements and guidelines for quantification.

This verification statement shall be used to the above 80% recycled cast aluminium alloy ingots PCF report (V2.0) as an integral explanation.

Signed by

Chris Chen

Issue Date: 11/06/2026

Green Product Service

Voluntary Product Certification Centre

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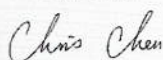
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This PCF reasonable assurance statement also includes the contents below:

Product Description:	The aluminum alloy ingots are mainly applied to auto parts such as wheel hubs, steering knuckles, subframes and control arms, plus electric power fittings. Their applications expand from the automotive industry to 5G communications, aerospace, high-speed rail, power electronics, machinery and shipbuilding. Available grades: A1Si10Mg(Fe), A1Si10MnMg, A1Si10MnMg(HDX), YL104, A1Si10Mg(Fe)+Mg+Sr, YZ-8, YZ-10, JZ-2, A1Si12(Fe), K-ALLOY, YZ-3, A390, A390-1, A1Si12CuNiMg, ZLD109, ZLD107, A1S1-L, JZ-4, A1Si24.
System Boundary:	The system boundary of the verified product of this company is the cradle-to-gate life cycle stage, which includes raw material acquisition, manufacturing and other processes.
Data Collection:	Data collected for this PCF calculation and reporting was from 01/01/2025 to 12/31/2025.
Data Source:	Primary data is sourced from product raw material suppliers and data collected at manufacturing sites, while secondary data is derived from the 100-year global warming potential specified in Table 7.SM.7 of the 2021 public report by the Intergovernmental Panel on Climate Change (IPCC 2021), as well as the life cycle inventory database Ecoinvent 3.11.
Allocation:	Physical allocation.
Cut-off Rules:	Since the mass of packaging materials for raw and auxiliary materials accounts for a very small proportion, far less than 1% of the product mass, it is regarded as a non-substantial contribution and thus excluded from this study in accordance with cut-off criteria. Certain auxiliary materials also have a very small mass share, less than 0.5% of the input materials each, with a total mass below 1% of input materials. These are also non-substantial contributions and therefore excluded from this study.
PCF Report:	The PCF report was submitted by the listed company on 10/06/2026 and verified by SGS for its material accuracy. The data information of the verified product was authentically revealed, and the quantifying, monitoring and reporting were in accordance with ISO 14067:2018, ISO 14040:2006 and ISO 14044:2006 standards requirements.

Signed by



Issue Date: 11/06/2026
Green Product Service
Voluntary Product Certification Centre