



中国认可
国际互认
环境信息
ENVIRONMENTAL INFORMATION
CNAS VV003-EI

温室气体排放核查声明

证书号：04125GHGA20163

山西瑞格金属新材料有限公司

2024 年度温室气体盘查报告

(发布日期：2025 年 3 月 31 日；覆盖的时段：2024 年 1 月 1 日-2024 年 12 月 31 日)

已经依据 ISO 14064-3:2019 的要求通过核查

满足核查准则要求，达到合理保证等级且满足实质性要求

核查准则：ISO 14064-1:2018

核查方案：ISO/IEC 17029:2019；ISO 14065:2020；ISO 14064-3:2019；
ISO 14066:2011

组织 GHG 核查范围：被核查的温室气体宣称：

2024 年度山西瑞格金属新材料有限公司温室气体盘查报告
组织边界：

组织按照运营控制权原则确定的位于山西省运城市闻喜县
裴社乡上王村的山西瑞格金属新材料有限公司的所有产生
GHG 排放和清除量的设施。

经营及活动范围：

新型合金材料、新型有色金属材料、镁合金及制品、铝合
金及制品、镁锭的设计、研发、制造与销售；镁合金精密铸件、
铝合金精密铸件、铸造与销售；以上产品的相关废料回收及销售
(不含危险化学品，危险废物经营及废弃电器电子产品处理)；
进出口贸易。

覆盖的时间段：

自 2024 年 1 月 1 日-2024 年 12 月 31 日

温室气体排放类别：

■类别 1 ■类别 2 ■类别 3 ■类别 4 ■类别 5 □类别 6

总排放量：1,854,682 tCO₂e (电力排放因子基于位置)

1,832,404 tCO₂e (电力排放因子基于市场)

核查机构类型：第三方

核查声明发布日期：2025 年 4 月 11 日

委托方：山西瑞格金属新材料有限公司

核查目的、保证等级、实质性、GHG 声明的目标用户等详细信息见本核查声明附录，附录为本核查
声明的组成部分



总经理



华测认证有限公司

中国广东省深圳市宝安区新安街道留仙三路 4 号华测检测大楼 8 楼 A 区

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温室气体排放核查声明附录

证书号：04125GHGA20163



核查过程简述： 华测认证有限公司依据 ISO 14064-3:2019 标准对山西瑞格金属新材料有限公司在 2024 年 1 月 1 日至 2024 年 12 月 31 日期间的温室气体排放进行核查。

涉及领域及类别： 除 9.1 和 9.2 外的有色金属冶炼的排放 (9.3)

核查目的：

- a) 评价温室气体盘查报告满足 ISO 14064-1:2018 要求
- b) 评价温室气体盘查报告的一致性、完整性
- c) 确认温室气体盘查过程和排放量计算的正确合理性
- d) 评价组织的温室气体相关控制情况

保证等级： 合理保证等级

实质性限值： 5%

温室气体声明目标用户： 受核查方经营活动涉及的利益相关方

为温室气体声明提供支持的数据和信息的性质： 属于历史事实

包含的温室气体种类：

■CO₂ ■CH₄ ■N₂O □HFCs □PFCs □SF₆ □NF₃

类别 1 排放量： 242,928.14 tCO₂e

类别 2 排放量： 22,277.84 tCO₂e (电力排放因子基于位置)
0 tCO₂e (电力排放因子基于市场)

类别 3 排放量： 30,710.00 tCO₂e

类别 4 排放量： 1,127,496.37 tCO₂e

类别 5 排放量： 431,269.51 tCO₂e

总排放量： 1,854,682 tCO₂e (电力排放因子基于位置)

1,832,404 tCO₂e (电力排放因子基于市场)



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GREENHOUSE GAS VERIFICATION STATEMENT

Certificate No.: 04125GHGA20163



The 2024 Greenhouse Gas Inventory Report of

Shanxi Regal Advanced Material Co.,Ltd.

(Issue date: March 31, 2025; Time period: January 1, 2024- December 31, 2024)
has been verified in accordance with ISO 14064-3:2019 with the materiality and the level of assurance satisfied.

Verification Criteria : ISO 14064-1:2018

Verification Programmes: ISO/IEC 17029:2019; ISO 14065:2020; ISO 14064-3:2019;

Boundary(ies) : ISO 14066:2011

Boundary(ies) : Verified greenhouse gas statement:

The 2024 Greenhouse Gas Inventory Report of Shanxi Regal Advanced Material Co.,Ltd.

Organizational boundaries:

All facilities under the operational control and related to greenhouse gas emissions and removals of Shanxi Regal Advanced Material Co.,Ltd., which located at Shangwang Village, Peishe Township, Wenxi County, Yuncheng City, Shanxi Province, China.

Scope of business and activities:

Design, research and development, manufacturing, and sales of new alloy materials, new non-ferrous metal materials, magnesium alloys and products, aluminum alloys and products, and magnesium ingots; Magnesium alloy precision castings, aluminum alloy precision castings, casting and sales; The relevant waste recycling and sales of the above products; Import and export trade.

Time period:

January 1, 2024- December 31, 2024

GHG Category(ies):

Category 1 Category 2 Category 3

Category 4 Category 5 Category 6.

Total emissions : 1,854,682 tCO₂e (Location-based electric power emission factor)

1,832,404 tCO₂e (Market-based electric power emission factor)

Type of entity : Third-party

Issue date: April 11, 2025

Commissioned by : Shanxi Regal Advanced Material Co.,Ltd.

Details of the objectives, assurance levels, materiality, intend users of the GHG statement, etc. are given in the appendix to this verification statement of which forms an integral part.



General manager



CTI Certification Co., LTD.

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APPENDIX TO THE GREENHOUSE GAS VERIFICATION STATEMENT

Certificate No.: 04125GHGA20163



Description of the verification : CTI verified the inventory of Greenhouse gas emissions in the year 2024 of Shanxi Regal Advanced Material Co.,Ltd. according to ISO 14064-3:2019.

Scope : Emissions from non-ferrous metal smelting other than 9.1 and 9.2 (9.3)

Objectives :

- a) Evaluate whether the GHG inventory report meets the requirements of ISO 14064-1:2018
- b) Evaluate the consistency and completeness of the GHG inventory report
- c) Verify the correctness and reasonableness of the GHG accounting and reporting
- d) Evaluate the GHG-related management controls at the organization level

Assurance level : Reasonable

Materiality threshold : 5%

Intended users: Stakeholders involved in the business activities

Nature of data and information supported the GHG statement: Historical facts

GHGs included: CO₂ CH₄ N₂O HFCs PFCs SF₆ NF₃

Category 1 Emissions: 242,928.14 tCO₂e

Category 2 Emissions: 22,277.84 tCO₂e (Location-based electric power emission factor)
0 tCO₂e (Market-based electric power emission factor)

Category 3 Emissions: 30,710.00 tCO₂e

Category 4 Emissions: 1,127,496.37 tCO₂e

Category 5 Emissions: 431,269.51 tCO₂e

Total Emissions: 1,854,682 tCO₂e (Location-based electric power emission factor)
1,832,404 tCO₂e (Market-based electric power emission factor)



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