Bureau Veritas Certification

温室气体核查意见书

授予

威刚科技（苏州）有限公司

必维认证（北京）有限公司（以下简称“必维”）受威刚科技（苏州）有限公司的委托，对威刚科技（苏州）有限公司报告的温室气体排放量进行独立的第三方核查，本核查意见适用于下文所述工作范围内的相关信息。

核查边界：

- 核查场所名称：威刚科技（苏州）有限公司
- 核查地址：中国苏州市工业园区新发路 28 号
- 温室气体报告期限：2024 年 01 月 01 日 - 2024 年 12 月 31 日
- 基准年：2022

组织边界：威刚科技（苏州）有限公司实施运营控制的活动和设施

报告边界：威刚科技（苏州）有限公司组织边界内，与内存、闪存应用产品、马达和控制器产品的制造及相关管理活动过程中产生的温室气体排放及其重要的间接温室气体排放

经核查的排放量：

- 类别1：直接温室气体排放：240.52吨二氧化碳当量
- 类别2：输入能源的间接温室气体排放：8245.92吨二氧化碳当量
- 类别3：运输的间接温室气体排放：1639.41吨二氧化碳当量
- 类别4：组织使用产品的间接温室气体排放：18630.50吨二氧化碳当量
- 类别5：与使用组织产品有关的间接温室气体排放：非重要间接排放，未量化
- 类别6：其它来源的间接温室气体排放：非重要间接排放，未量化

  经量化的总排放量：28756.34吨二氧化碳当量

限制性叙述：排除其他非重要间接温室气体排放

温室气体核查依据：

- ISO 14064-1:2018 温室气体 - 第1部分：组织层面温室气体排放和移除的量化和报告的要求及指南
- ISO 14064-3:2019 温室气体 - 第3部分：温室气体声明核查和审定规范及指南

保证等级：

- 合理保证

核查方法：

- 访谈相关人员；
- 评审提供的文件证据；
- 评估用于数据收集、汇总、分析和检查的量化方法和信息系统；
- 核查抽样场所和数据源。

核查结论：

基于核查工作实施过程和核查发现，威刚科技（苏州）有限公司在盘查报告中提供的温室气体排放量数据，与ISO 14064-1:2018 温室气体 - 部分1：组织层面温室气体排放和移除的量化和报告的要求及指南是相符的。

独立、公正和胜任能力声明：

必维集团是一家拥有190多年历史，在质量、环境、职业健康安全和社会责任领域提供独立验证服务的机构。必维核查团队与威刚科技（苏州）有限公司及其管理人员不存在其它的商业关系，核查团队的核查活动是独立的、公正的，不存在任何利益冲突。必维集团在整个业务范围内实施商业道德准则，以确保员工在日常业务活动中保持最高的道德标准。

核查组长：徐震东

核查日期：2025年05月07日

编号：EMI16134293

签发日期：2025年05月18日

版本号：No.3

必维认证（北京）有限公司授权代表

温室气体核查意见书附件

威刚科技（苏州）有限公司委托必维认证（北京）有限公司对其的报告边界范围内的温室气体排放进行第三方核查，核查的关键信息如下：

GHG清单类别	GHG排放源	温室气体	排放因子		数据来源
			数值	单位	
直接温室气体排放	天然气	CO_2	56100	$kgCO_2/TJ$	IPCC 2006
		CH_4	1	$kgCH_4/TJ$	
		N_2O	0.1	kgN_2O/TJ	
	汽油	CO_2	69300	$kgCO_2/TJ$	
		CH_4	25	$kgCH_4/TJ$	
		N_2O	8	kgN_2O/TJ	
	化粪池	CH_4	0.6	$kgCH_4/kg$ BOD	
	制冷设备/空调制冷剂	R410a	2255.5	$kgCO_2e/kg$	IPCC AR6
		R22	1960	$kgCO_2e/kg$	
输入能源间接温室气体排放	外购电力	CO_2	0.5703	tCO_2e/MWh	关于做好2023-2025年发电行业企业温室气体排放报告管理有关工作的通知
运输的间接温室气体排放	国际航空货运	CO_2	1.0189	$kgCO_2e/(t\cdot km)$	中国产品全生命周期温室气体排放系数库
组织使用产品的间接温室气体排放	PCB	CO_2	48.7	tCO_2e/t	ecoinvent version 3.11
	Flash IC	CO_2	63.5	tCO_2e/t	
	电容	CO_2	105.0	tCO_2e/t	

认证机构地址：中国北京市东城区东长安街1号东方广场西一办公楼9层902室，邮编：100738
需进一步澄清本意见书的核查范围，可直接向本意见书持有者查询
要查证本意见书之有效状态请电：+86 10 59683663

Bureau Veritas Certification

Greenhouse Gases Verification Opinion

is awarded to

ADATA TECHNOLOGY (SUZHOU) CO., LTD

Bureau Veritas Certification (Beijing) Co., Ltd. was engaged to conduct an independent verification of the greenhouse gases (GHG) emissions reported by ADATA TECHNOLOGY (SUZHOU) CO., LTD for the period stated below. This verification opinion applies to the related information included within the scope of work described below.

Boundaries covered by the verification:

- Verification site name: ADATA TECHNOLOGY (SUZHOU) CO., LTD
- Verification site address: No. 28, Xinfa Road, Suzhou Industrial Park, Suzhou, Jiangsu Province, China
- Reporting period covered: 2024-01-01~2024-12-31
- Base year: 2022

Organizational boundaries: Activities and facilities of ADATA TECHNOLOGY (SUZHOU) CO., LTD.

Reporting boundaries: GHG emissions generated in Manufacture of memory modules, flash memory products, motor and controller products and related management activities within the organizational boundaries, as well as significant indirect greenhouse gases emissions.

Emissions data verified under reporting boundaries:

- Category 1: Direct GHG emissions: 240.52 tCO_2e
- Category 2: Indirect GHG emissions from imported energy: 8245.92 tCO_2e
- Category 3: Indirect GHG emissions from transportation: 1639.41 tCO_2e
- Category 4: Indirect GHG emissions from products used by organization: 18630.50 tCO_2e
- Category 5: Indirect GHG emissions associated with the use of products from the organization: Non-significant indirect emissions and not quantified
- Category 6: Indirect GHG emissions from other sources: Non-significant indirect emissions and not quantified

  Total quantified emissions: 28756.34 tCO_2e

Limitations and exclusions: Excluding other non-significant indirect GHG emissions

GHG verification protocol used to conduct the verification:

- ISO 14064-1:2018 Greenhouse gases - Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals
- ISO 14064-3:2019 Greenhouse gases - Part 3: Specification with guidance for the verification and validation of greenhouse gas statements

Level of assurance:

- Reasonable assurance

GHG verification methodology:

- Interview for relevant personnel;
- Review of the documentary evidence;

- Evaluation of the methodology and information systems for data collection, aggregation, analysis and review;
- Audit of sampled sites and data to verify source.

Verification conclusion:

Based on the verification process and findings, the GHG emission data in the GHG inventory report from ADATA TECHNOLOGY (SUZHOU) CO., LTD. is in compliance with ISO 14064-1:2018 Greenhouse gases - Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals.

Statement of independence, impartiality and competence:

Bureau Veritas Group is an independent professional services company that specializes in Quality, Health, Safety, Social and Environmental management with over 190 years' history in providing independent assurance services.

No member of the verification team has a business relationship with ADATA TECHNOLOGY (SUZHOU) CO., LTD and its directors or managers beyond that required by this assignment. We conducted this verification independently and to our knowledge there has been no conflict of interest.

Bureau Veritas Group has implemented a Code of Ethics across the business to maintain high ethical standards among staff in their day-to-day business activities.

Lead verifier: Jason XU

No.: EMI16134293

Version No.: No.3

Verification date: 2025-04-07

Issue date: 2025-05-18

Signed on behalf of
Bureau Veritas Certification (Beijing) Co., Ltd

Appendix for Greenhouse Gases Verification Opinion

ADATA TECHNOLOGY (SUZHOU) CO., LTD. has commissioned Bureau Veritas Certification (Beijing) Co., Ltd. to conduct a third-party verification on the GHG emissions within its reporting boundary. Key information is listed below:

GHG Inventory categoies	GHG Source	GHG	Factor		Reference
			Quantity	Unit	
Direct GHG emissions	Natural gas	CO_2	56100	kg CO_2/TJ	IPCC 2006
		CH_4	1	kg CH_4/TJ	
		N_2O	0.1	kg N_2O/TJ	
	Gasoline of Car	CO_2	69300	kg CO_2/TJ	
		CH_4	25	kg CH_4/TJ	
		N_2O	8	kg N_2O/TJ	
	septic tank	CH_4	0.6	kg CH_4/kg BOD	
	refrigerant	R410a	2255.5	kg CO_2e/kg	IPCC AR6
		R22	1960	kg CO_2e/kg	
Indirect GHG emissions form imported energy	Power	CO_2	0.5703	tCO_2/MWh	The Notice about the Report Management of Greenhouse Gas Emission in Power Generation Industry from 2023 to 2025
Indirect GHG emissions from transportation	International air cargo	CO_2	1.0189	kg CO_2e/ (t·km)	China's provincial road traffic CO2 emission factors
Indirect GHG emissions from products used by organization	PCB	CO_2	48.7	tCO_2e/t	ecoinvent version 3.11
	Flash IC	CO_2	63.5	tCO_2e/t	
	capacitor	CO_2	105.0	tCO_2e/t	