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# 温室气体核算与报告指南

## 直接排放 范围1

授予

### 海缆股份有限公司

**核查** 江苏省南京经济技术开发区新开河路1号  
江苏省南京经济技术开发区齐民路1号

**组织** 中天科技光缆有限公司基于上述的厂区范围 (包括车间、办公室区域、仓库等)

**报告** 中天科技光缆有限公司南厂区光缆生产、海底光电复合缆生产、服务间接排放源以及北厂区光缆的设计、服务间接排放源

**限制** 么排除其重要排放温室气体

**保证** 中理保证

**概述:** 中天科技光缆有限公司 (北京) 中天科技光缆有限公司  
上述单位依据《温室气体核算与报告指南》(企业温室气体直接排放) 标准执行温室气体核算。其它排放源未包含在内。

4004-1

**说明** 经核 2023年1月1日到2023年12月31日期间  
温室气体直接排放数值为36.1吨CO<sub>2</sub>e  
温室气体间接排放数值(类别)为9,470吨CO<sub>2</sub>e

基准年: 2019

日期: 2023年5月9日  
编号: CN 8165

日期

书编

正机构地址: 北京经济技术开发区东长安街1号  
也办公室地址: 北京经济技术开发区外马路128E号  
进一步澄清和咨询: 请联系中天科技集团, 可直接向持证人联系  
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查询

# 温室气体核算与报告指南（制造业）

中天科技股份有限公司必维（北京）有限公司对...  
 内的温室气体排放进行第三方核查。

排放源	类别	设备	温室气体	数值	单位	原因
直接温室气体排放	焊接机	焊接机乙炔	CO <sub>2</sub>	33846	tCO <sub>2</sub> e/t	燃料燃烧
		焊接机二氧化碳	CO <sub>2</sub>	1	tCO <sub>2</sub> e/t	
		烘烤机	CO <sub>2</sub>	53100	kg CO <sub>2</sub> /	
		烘烤机液化石油气	CH <sub>4</sub>	1	kg CH <sub>4</sub> /	
			N <sub>2</sub> O	0.1	kg N <sub>2</sub> O/	
	公务用车	公务用车汽油	CO <sub>2</sub>	59300	kg CO <sub>2</sub> /	燃料燃烧
			CH <sub>4</sub>	3.8	kg CH <sub>4</sub> /	
			N <sub>2</sub> O	0.7	kg N <sub>2</sub> O/	
		货车柴油	CO <sub>2</sub>	74100	kg CO <sub>2</sub> /	
			CH <sub>4</sub>	3.9	kg CH <sub>4</sub> /	
叉车	叉车柴油	CO <sub>2</sub>	74100	kg CO <sub>2</sub> /	燃料燃烧	
		CH <sub>4</sub>	4.15	kg CH <sub>4</sub> /		
		N <sub>2</sub> O	23.6	kg N <sub>2</sub> O/		
	外购电力	CO <sub>2</sub>	70335	tCO <sub>2</sub> MWh		电网
	外购蒸汽	CO <sub>2</sub>	105	tCO <sub>2</sub> /G		

输入能源  
间接温室气体排放

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运输过程 间接温室气体排放	道路	kg CO <sub>2</sub> e / (ton*km)	0.0	中国产 生命周期温室气 体排放系数库
	水运	kg CO <sub>2</sub> e / (ton*km)	0.0	
	航空	kg CO <sub>2</sub> e / (人*km)	0.0	
	铁路	kg CO <sub>2</sub> e / (人*km)	0.0	
	汽车	kg CO <sub>2</sub> e / (人*km)	0.0	
	柴油	kg CO <sub>2</sub> e / (人*km)	0.0	
组织使用 产品的 间接温室气体排放	汽油	kg CO <sub>2</sub> e / 晚	25.0	中国产 生命周期温室气 体排放系数库
	柴油	tCO <sub>2</sub> e / 晚	0.02	
	天然气	tCO <sub>2</sub> e / 晚	0.02	
	电力	tCO <sub>2</sub> e / 晚	0.02	
	热力	tCO <sub>2</sub> e / 晚	0.02	

上述经核查均属实。除上述排放源外，其他温室气体排放源经核查不具备经济性和技术可行性。

核查组长：王文

方法学：样率：10%

授权代表：[Signature]

核查日期：2023年4月23-24日

批准日期：2023年5月19日



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# Greenhouse Gas Verification Statement

## Zhongtian Economic & Trade Co., Ltd.

World Access, Fair Trade, Economic & Technological Development, Environmental Protection, Social Responsibility, Sustainable Development, Greenhouse Gas, Verification, Zhongtian Economic & Trade Co., Ltd. (including its wholly owned subsidiaries, etc.) has been selected as a client of Bureau Veritas Certification (Beijing) Co., Ltd. for the design, production and service of cables, submarine cables, optical cables, power cables, etc. The design, production and service of cables, submarine cables, optical cables, power cables, etc. are carried out in the South factory and other plants.

Report boundary: The organization had completed the calculation of greenhouse gas emissions in accordance with the measurement and

Limitation: The organization had completed the calculation of greenhouse gas emissions in accordance with the measurement and

Assurance: Verified from 2021-01-01 to 2021-12-31. The total greenhouse gas emissions are 36.19 ton CO<sub>2</sub>e. The emission intensity is 1.42670 ton CO<sub>2</sub>e/10,000 RMB.

Certification requirements: The organization has been certified in accordance with the measurement and

Issue Date: May, 2023  
Statement Number: CNS 4186-5

Issued by: Bureau Veritas Certification (Beijing) Co., Ltd.  
Address: Room 102, 3/F, Dongcheng District, Beijing, China.  
To check this statement, please contact: 010-64411865





## Greenhouse Gas Verification Statement

Zhongtian Technology Submarine Cable Co., Ltd. has commissioned Bureau Veritas (Beijing) Co., Ltd. to conduct this verification on its greenhouse gas emissions within its reporting boundary.

Scope	Type	Facility	GHG	Emission Factor		Reference
				Quantity	Unit	
Direct GHG emissions	Acetylene of Welding machine		CO <sub>2</sub>	846	tCO <sub>2e</sub>	Mass balance method
				1	tCO <sub>2e</sub>	Mass balance method
	Carbon dioxide of Welding machine		CO <sub>2</sub>	100	kg CO <sub>2</sub>	IPCC 2006
				1	kg CH <sub>4</sub>	IPCC 2006
				0.1	kg N <sub>2</sub> O	IPCC 2006
	LPG of Roaster		CO <sub>2</sub>	300	kg CO <sub>2</sub>	IPCC 2006
				0.8	kg CH <sub>4</sub>	IPCC 2006
				0.7	kg N <sub>2</sub> O	IPCC 2006
	Gasoline of Car		CO <sub>2</sub>	100	kg CO <sub>2</sub>	IPCC 2006
				0.9	kg CH <sub>4</sub>	IPCC 2006
				0.9	kg N <sub>2</sub> O	IPCC 2006
	Diesel oil of Truck		CO <sub>2</sub>	100	kg CO <sub>2</sub>	IPCC 2006
				0.15	kg CH <sub>4</sub>	IPCC 2006
				0.6	kg N <sub>2</sub> O	IPCC 2006
	Diesel oil of Fork cart		CO <sub>2</sub>	035	ton CO <sub>2e</sub> /M	Average CO <sub>2</sub> emission factors China's regional power grids in 20

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Scope of Certification	Product	Quantity	Unit	CO <sub>2</sub> Emissions	Notes
Indirect emissions from purchased energy	CO <sub>2</sub>	105	ton	CO <sub>2</sub> e	Implementation plan for setting the total amount of national emissions trading rights in 2021-2022
	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	074	kg	kg	China products print base
	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	012	kg	kg	
	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	088	kg	kg	
	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	018	kg	kg	
	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	041	kg	kg	
CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	015	kg	kg		
Indirect emissions from transport	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	062	kg	kg	China products print base
	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	029	kg	kg	
	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	1317	kg	kg	
	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	1317	kg	kg	
	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	1317	kg	kg	
Indirect emissions from production by organization	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	1317	kg	kg	UK conversion factors for company reporting
	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	1317	kg	kg	
	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	1317	kg	kg	
	CO <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub> O	1317	kg	kg	

Above have been verified by Bureau Veritas. Except above, all other greenhouse gas emissions do not have economic and technical characteristics. Verify the accuracy of the analysis, good data quality. Sampling method: 100%. Lead verification: Shanghai. Verification date: 2023. Approved date: 19 May, 2023.

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China products print base. UK conversion factors for company reporting.