

温室气体核查声明书

授予

中天科技海缆股份有限公司

核查地址： [江苏省南通市经济技术开发区新开工南路1号（南厂区）]
[江苏省南通市经济技术开发区齐山路109号（北厂区）]
组织边界： 中天科技海缆股份有限公司基于运营控制的两个厂区范围（包括生产车间、办公室、区域、仓库等）
报告边界： 中天科技海缆股份有限公司南厂区的海底光缆、海底电缆、海底光电复合缆以及北厂区的电线电缆设计和生产和服务的直接和间接排放源
限制性叙述 排除其他非重要间接排放源
保证等级： 合理保证等级

必维认证（北京）有限公司

证明 述单位依据下列国际通行组织温室气体查证工作，查证数据为合理测量和其它详细声明如附件所述。

ISO 14064-1:2018

经核查 2022 年 1 月 1 日到 2022 年 12 月 31 日期间

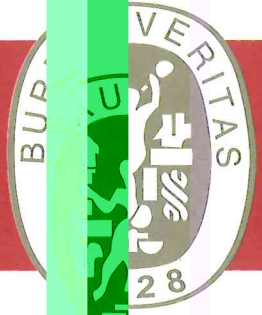
查证 室气体直接和能源间接排放数值为：48,136.19 吨 CO₂e
查证 室气体间接排放源数值（类别 3、类别 4）为：40,426.0 吨 CO₂e

日期：2023 年

2

签发日期：2023 年 5 月 19 日

声明书编号：CNSH186590

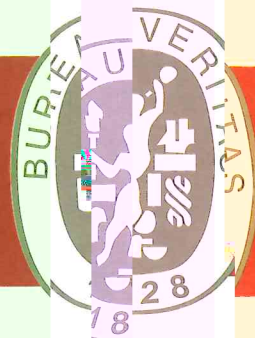


温室气体核查声明书 (附件)

中天科技海缆股份有限公司委托必维认证(中国)有限公司对贵公司的报告范围
 内的温室气体排放进行第三方核查。

类别	排放源	备	温室气体	排放因子		备注
				数值	单位	
直接温室 气体排放	焊接	乙炔	CO ₂	0.46	tCO _{2e} /t	质量平衡法
	焊接	二氧化碳	CO ₂	1	tCO _{2e} /t	质量平衡法
	烘烤	化石油气	CO ₂	160	kg CO ₂ /t	IPCC 2006
			CH ₄	1	kg CH ₄ /t	IPCC 2006
	公	汽油	N ₂ O	0.1	kg N ₂ O/t	IPCC 2006
			CO ₂	360	kg CO ₂ /t	IPCC 2006
			CH ₄	0.8	kg CH ₄ /t	IPCC 2006
			N ₂ O	0.7	kg N ₂ O/t	IPCC 2006
			CO ₂	160	kg CO ₂ /t	IPCC 2006
			CH ₄	0.9	kg CH ₄ /t	IPCC 2006
	柴	柴油	N ₂ O	0.9	kg N ₂ O/t	IPCC 2006
			CO ₂	160	kg CO ₂ /t	IPCC 2006
CH ₄			1.5	kg CH ₄ /t	IPCC 2006	
柴	柴油	N ₂ O	3.6	kg N ₂ O/t	IPCC 2006	
		CO ₂	0.35	tCO _{2e} /MWh	2012年或电网平均CO ₂ 因子	
		CO ₂	165	tCO _{2e} /GWh	2021-2022年排放交易体系设定与分配	

BUREAU VERITAS
Certification



运输过程 间接温室 气体排放	道	0.074	kg CO _{2e} /(ton*km)	中国产品全 生命周期 温室气体 排放系数 数据
	水	0.012	kg CO _{2e} /(ton*km)	
	航	0.088	kg CO _{2e} /t人*km	
	铁	0.018	kg CO _{2e} /t人*km	
	汽	0.041	kg CO _{2e} /t人*km	
	柴	0.015	kg CO _{2e} /t人*km	
组织使用 产品的间 接温室气 体排放		0.062	kg CO ₂ /t人*km	中国产品全 生命周期 温室气体 排放系数 数据
		25.29	kg CO ₂ /晚	
		021317	tCO _{2e} /l	
		021317	tCO _{2e} /l	
		021317	tCO _{2e} /l	

上述经查证均
技术性。

查证不符

核查组长

查证日期

除上述排放源外，其他温室气体排放源经查证不具备经济性和技术
可行性。

定性分析，数据品质良好 方法学 样本率：100%

授权代表： [Signature]

3年 4月 23-24日 批准日期：2023年05月 19日





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Greenhouse Gas Emission Statement

Zhongtian Technology (Shanghai) Marine Cable Co., Ltd.

Verified Address: Xinkainan Road No. 1, Nanqiao Zone, Jiangsu Province, Qixinqiao Suburb, Qixinqiao Zone, Jiangsu Province

Organizational boundaries: The two factory areas controlled by Zhongtian Technology (Shanghai) Marine Cable Co., Ltd. (including workshops, office area, etc.)

Reporting boundaries: The direct and indirect Submarine Cable fiber optic power cables produced by the company.

Limitation conclusion: Exclude other non-significant GHG emissions by non-significant

Assurance Level: Reasonable

Bureau Veritas Certification (Beijing)

Certifies that above organization conducted as inventory and calculation of the standard data had below, and detailed Greenhouse Gas Emission Statement and verification report are described in the appendix.

ISO 14064-1:2018

Verified from 1 Jan 2022 to 31 Dec, 2022

Verified Direct and Energy Indirect Greenhouse Gas Emissions: 26.70ton CO₂e

Verified Other Significant Indirect Greenhouse Gas Emissions: 0.00ton CO₂e

Base year: 2019
Reporting year: 2022

Issue Date: 19 May, 2023
Statement Number: CNS 8659065

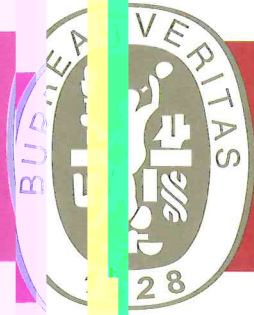


Greenhouse Gases Verification Statement

(Appendix A)

Zhongtian Technology Submarine Cable (Group) Co., Ltd. has commissioned Bureau Veritas (Beijing) Co., Ltd. to conduct a third-party verification on the greenhouse gases emissions within its reporting boundary.

Source		GHG Category	Quantity	Unit	Reference
Type	Facility				
Direct GHG emissions	Acetylene of Welding machine	CO ₂	846	tCO _{2e} /t	Mass balance method
		CO ₂	1	tCO _{2e} /t	Mass balance method
	LPG of Roaster	CO ₂	100	kg CO ₂ /t	IPCC 2006
		CH ₄	31	kg CH ₄ /t	IPCC 2006
		N ₂ O	1	kg N ₂ O/t	IPCC 2006
	Gasoline of Car	CO ₂	300	kg CO ₂ /t	IPCC 2006
		CH ₄	2.8	kg CH ₄ /t	IPCC 2006
		N ₂ O	3.7	kg N ₂ O/t	IPCC 2006
	Diesel oil of Truck	CO ₂	5100	kg CO ₂ /t	IPCC 2006
		CH ₄	7.9	kg CH ₄ /t	IPCC 2006
		N ₂ O	3.9	kg N ₂ O/t	IPCC 2006
	Diesel oil of Fork lift	CO ₂	3100	kg CO ₂ /t	IPCC 2006
		CH ₄	15	kg CH ₄ /t	IPCC 2006
		N ₂ O	3.6	kg N ₂ O/t	IPCC 2006
Indirect GHG emissions from imported energy	Power	CO ₂	0.35	ton CO _{2e} /MW	Average CO ₂ emission factors of China's regional power grids in 2012



Indirect GHG emissions from imported energy	Steam	CO ₂	105	t CO ₂ e /C	Implementation for setting allocating total amount national carbon emission trading rights trading quotas in 2021-2022
	Electricity	CO ₂	0.1	t CO ₂ e /C	
Indirect GHG emissions from transportation	Boat traffic (freight)	CO ₂	0.74	kg CO ₂ e /t*km	China products carbon footprint factors database
	Water transportation (freight)	CO ₂	0.12	kg CO ₂ e /t*km	
	Airplane (passenger aircraft)	CO ₂	0.88	kg CO ₂ e /t*km	
	Railway (passenger aircraft)	CO ₂	0.18	kg CO ₂ e /t*km	
	Gasoline passenger car	CO ₂	0.41	kg CO ₂ e /t*km	
	Diesel bus	CO ₂	0.15	kg CO ₂ e /t*km	
	Motorcycle	CO ₂	0.62	kg CO ₂ e /t*km	
Indirect GHG emissions from Accommodation	Hotel	CO ₂	0.29	kg CO ₂ e /night	China products carbon footprint factors database
	Waste	CO ₂	0.52	t CO ₂ e /t	UN Government GHG conversion factors for company reporting
Indirect GHG emissions from products used by organization	Waste paper	CO ₂	0.52	t CO ₂ e /t	
	Waste plastic	CO ₂	0.52	t CO ₂ e /t	
	Waste metal	CO ₂	0.52	t CO ₂ e /t	
	Waste wood	CO ₂	0.52	t CO ₂ e /t	

Above have been verified to be suitable. Except above, this is on source, other greenhouse gas emission sources do not have the economic and technical characteristics to correct.

Verify Uncertainty: Qualitative analysis, good data quality

Sampling methodology: 100%

Lead verifier: Shiwei Cai

Authorized Representative: [Signature]

Verification date: 23 April, 2021

Approved date: 19 May, 2021

Certification body address: Room 02, 9/F, World Office Building, 11th Floor, East Chang'an Street, Dongcheng District, Beijing, China. 100005
 Local office address: F4, No. 1288, Wanda Road, Huangpu District, Shanghai, China. 200001
 Further clarifications regarding the verification scope of this statement may be obtained by contacting the organization.
 To check this statement's validity please call: +86 21 23190319

