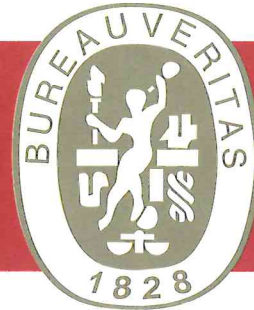


BUREAU VERITAS
Certification



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南路 1 号（南厂区）

江苏省南通市经济技术开发区齐心路 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（包括车间、办公区域、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的设计、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温室气体排放

保证等级：合理保证等级

必维认证（北京）有限公司

证明上述单位依据下列国际标准执行组织温室气体查证工作，查证数据
为合理测量和计算。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

查证温室气体直接和能源间接排放数值为：48,136.19 吨 CO_{2e}

查证温室气体间接排放源数值（类别 3、类别 4）为：40,426.70 吨 CO_{2e}

基准年：2021 年

签发日期：2023 年 5 月 19 日

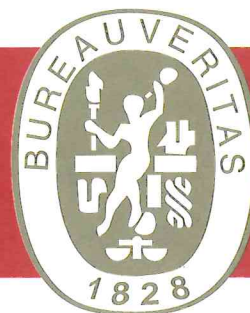
声明书编号：CNSH18659065

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

当地办公室地址：中国上海市黄浦区外马路 1288 号综合楼四层 B 室，邮编：200011

需进一步澄清本声明书的核查范围，可直接向持本声明书者查询

要查证本声明书之有效状态请电：+86 21 23190319



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（北京）有限公司对该公司的报告边界范围内的温室气体排放进行第三方核查。

排放源		温室气体	排放因子		备注
类别	设备		数值	单位	
直接温室 气体排放	焊机乙炔	CO ₂	3.3846	tCO _{2e} /t	质量平衡方法
	焊机二氧化碳	CO ₂	1	tCO _{2e} /t	质量平衡方法
	烘烤机液化石油气	CO ₂	63100	kg CO ₂ /TJ	IPCC 2006
		CH ₄	1	kg CH ₄ /TJ	IPCC 2006
		N ₂ O	0.1	kg N ₂ O/TJ	IPCC 2006
	公务车汽油	CO ₂	69300	kg CO ₂ /TJ	IPCC 2006
		CH ₄	3.8	kg CH ₄ /TJ	IPCC 2006
		N ₂ O	5.7	kg N ₂ O/TJ	IPCC 2006
	货车柴油	CO ₂	74100	kg CO ₂ /TJ	IPCC 2006
		CH ₄	3.9	kg CH ₄ /TJ	IPCC 2006
		N ₂ O	3.9	kg N ₂ O/TJ	IPCC 2006
	叉车柴油	CO ₂	74100	kg CO ₂ /TJ	IPCC 2006
		CH ₄	4.15	kg CH ₄ /TJ	IPCC 2006
		N ₂ O	28.6	kg N ₂ O/TJ	IPCC 2006
	输入能源 间接温室 气体排放	外购电力	CO ₂	0.7035	tCO _{2e} /MWh
外购蒸汽		CO ₂	0.1105	tCO _{2e} /GJ	2021-2022 年全国碳排放交易权交易配额总量设定与分配实施方案

BUREAU VERITAS
Certification




运输过程 间接温室 气体排放	道路运输 (货 运) 平均	CO ₂ /CH ₄ /N ₂ O	0.074	kg CO _{2e} /(ton*km)	中国产品全生命周期温室气 体排放系数库
	水运 (货运) 平均		0.012	kg CO _{2e} /(ton*km)	
	航空 (客运) 平均		0.088	kg CO _{2e} /(人*km)	
	铁路 (客运) 平均		0.018	kg CO _{2e} /(人*km)	
	汽油小客车		0.041	kg CO _{2e} /(人*km)	
	柴油公交车		0.015	kg CO _{2e} /(人*km)	
	摩托车		0.062	kg CO _{2e} /(人*km)	
组织使用 产品的间 接温室气 体排放	酒店住宿	CO ₂ /CH ₄ /N ₂ O	25.29	kg CO _{2e} /晚	中国产品全生命周期温室气 体排放系数库
	废金属	CO ₂ /CH ₄ /N ₂ O	0.021317	tCO _{2e} /t	UK Government GHG Conversion Factors for Company Reporting
	废纸品		0.021317	tCO _{2e} /t	
	废塑料		0.021317	tCO _{2e} /t	
	废橡胶		0.021317	tCO _{2e} /t	
	废木头		0.021317	tCO _{2e} /t	

上述经查证均适宜。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性。

查证不确定性：定性分析，数据品质良好

方法学抽样率：100%

核查组长：蔡世文

授权代表：

查证日期：2023年4月23-24日

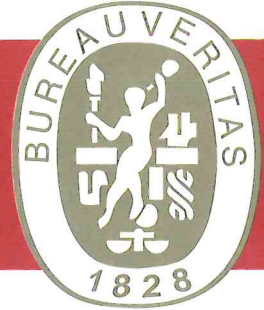
批准日期：2023年05月19日

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
当地办公室地址：中国上海市黄浦区外马路1288号综合楼四层B室，邮编：200011

需进一步澄清本声明书的核查范围，可直接向持本声明者查询
要查证本声明书之有效状态请由：+86 21 23190319



BUREAU VERITAS
Certification



Greenhouse Gases Verification Statement is awarded to **Zhongtian Technology Submarine Cable Co., Ltd.**

Verified Address: Xinkainan Road No. 1, Nantong Economic & Technological Development Zone, Jiangsu Province

Qixin Road No. 109, Nantong Economic & Technological Development Zone, Jiangsu Province

Organizational boundaries: The two factory area completely owned and operationally controlled by Zhongtian Technology Submarine Cable Co., Ltd. (including workshops, office area, warehouse, etc.)

Reporting boundaries: The direct and indirect emission sources of Zhongtian Technology Submarine Cable Co., Ltd. for the design, manufacture and service of submarine optical fiber cables, submarine power cables, submarine optical fiber composite power cables produced by south factory and power cables produced by north factory.

Limitation conclusion: Exclude other non-significant indirect GHG emissions

Assurance Level: Reasonable

Bureau Veritas Certification (Beijing) Co., Ltd.

Certifies that above organization had conducted Greenhouse Gas inventory in accordance with the requirements of the standard detailed below, and verification data are reasonable measurement and calculation. Other details 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 Emission: 48,136.19 ton CO_{2e}

Verified Other Significant Indirect Greenhouse Gas Emission

(Category 3, Category 4): 40,426.70ton CO_{2e}

Base year: CY2021

Issue Date: 19 May, 2023

Statement Number : CNSH18659065

Certification body address: Room 02, 9 / F, West Office Building 1, Oriental Economic and TradeCity, Oriental Plaza, No.1 East Chang'an Street, Dongcheng District, Beijing, China. 100738
Local office address: Rm. B, F4, No.1288, Waima Road, Huangpu District, Shanghai, China. 200011
Further clarifications regarding the verification scope of this statement may be obtained by consulting the organization.

To check this statement validity please call: +86 21 23190319





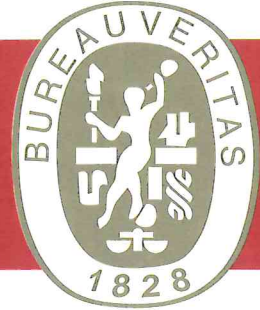
Greenhouse Gases Verification Statement

(Appendix)

Zhongtian Technology Submarine Cable 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	Factor		Reference
Type	Facility		Quantity	Unit	
Direct GHG emissions	Acetylene of Welding machine	CO ₂	3.3846	tCO _{2e} /t	Mass balance method
	Carbon dioxide of Welding machine	CO ₂	1	tCO _{2e} /t	Mass balance method
	LPG of Roaster	CO ₂	63100	kg CO ₂ /TJ	IPCC 2006
		CH ₄	1	kg CH ₄ /TJ	IPCC 2006
		N ₂ O	0.1	kg N ₂ O/TJ	IPCC 2006
	Gasoline of Car	CO ₂	69300	kg CO ₂ /TJ	IPCC 2006
		CH ₄	3.8	kg CH ₄ /TJ	IPCC 2006
		N ₂ O	5.7	kg N ₂ O/TJ	IPCC 2006
	Diesel oil of Truck	CO ₂	74100	kg CO ₂ /TJ	IPCC 2006
		CH ₄	3.9	kg CH ₄ /TJ	IPCC 2006
		N ₂ O	3.9	kg N ₂ O/TJ	IPCC 2006
	Diesel oil of Fork cart	CO ₂	74100	kg CO ₂ /TJ	IPCC 2006
		CH ₄	4.15	kg CH ₄ /TJ	IPCC 2006
		N ₂ O	28.6	kg N ₂ O/TJ	IPCC 2006
	Indirect GHG emissions form imported energy	Power	CO ₂	0.7035	ton CO _{2e} /MWh

BUREAU VERITAS
Certification



Indirect GHG emissions form imported energy	Steam	CO ₂	0.1105	ton CO _{2e} /GJ	Implementation plan for setting and allocating the total amount of national carbon emission trading rights trading quotas in 2021-2022
Indirect GHG emissions from transportation	Road traffic (freight)	CO ₂ /CH ₄ /N ₂ O	0.074	kg CO _{2e} /(ton*km)	China products carbon footprint factors database
	Water transportation (freight)		0.012	kg CO _{2e} /(ton*km)	
	Aviation (passenger transport)		0.088	kg CO _{2e} /(person*km)	
	Railway (passenger transport)		0.018	kg CO _{2e} /(person*km)	
	Gasoline passenger car		0.041	kg CO _{2e} /(person*km)	
	Diesel bus		0.015	kg CO _{2e} /(person*km)	
	Motorcycle		0.062	kg CO _{2e} /(person*km)	
Indirect GHG emissions from products used by organization	Hotel Accommodation	CO ₂ /CH ₄ /N ₂ O	25.29	kg CO _{2e} /night	China products carbon footprint factors database
	Waste Metal	CO ₂ /CH ₄ /N ₂ O	0.021317	t CO _{2e} /t	UK Government GHG Conversion Factors for Company Reporting
	Waste Paper		0.021317	t CO _{2e} /t	
	Waste Plastic		0.021317	t CO _{2e} /t	
	Waste Rubber		0.021317	t CO _{2e} /t	
	Waste Wood		0.021317	t CO _{2e} /t	

Above have been verified to be suitable. Except above emission sources, other greenhouse gas emission sources do not have the economic and technical characters to collect.

Verify Uncertainty: Qualitative analysis, good data quality

Sampling methodology: 100%

Lead verifier: Shiwen Cai

Authorized Representative:

Verification date: 23-24 April, 2023

Approved date: 19 May, 2023

Certification body address: Room 02, 9 / F, West Office Building 1, Oriental Economic and TradeCity, Oriental Plaza, No.1 East Chang'an Street, Dongcheng District, Beijing, China. 100738
Local office address: Rm. B, F4, No.1288, Waima Road, Huangpu District, Shanghai, China. 200011
Further clarifications regarding the verification scope of this statement may be obtained by consulting the organization.

To check this statement validity please call: +86 21 23190319

