

CN/PCFV/2021/08/0001

产品碳足迹核查概述

该公司

伊莱特能源装备股份有限公司

济南市章丘区官庄街道办事处济王路 9001 号

报告

环锻件（法兰）产品碳足迹评估报告
（编号：Q/YLTG2711-2021,A/0）

产品

环锻件（法兰）

一千克所选产品（生产质量为 4725Kg、材质为 Q355NE、规格为 4864/4056/160（mm）的环锻件（法兰））的碳足迹为 2.043 kg CO_{2e}。

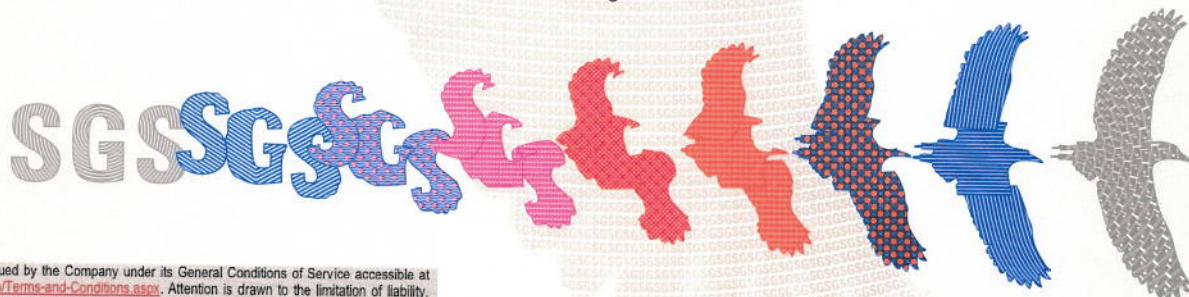
该公司所提供的产品碳足迹计算及报告已经过 SGS 核查，其计算符合 ISO 14040:2006 环境管理 - 生命周期评价 - 原则和框架、PAS 2050:2011 产品和服务在生命周期中温室气体排放的评价规范、以及 ISO/TS 14067:2018 温室气体排放-产品碳足迹-量化和交流的要求与指南。

该报告根据 2020 年 1 月至 2020 年 12 月所收集的数据计算出产品碳足迹，基准年建立于 2021 年 7 月

签署

颁发日期：2021 年 8 月 6 日
 绿色产品服务
 自愿性产品认证中心

通标标准技术服务有限公司
 中国上海徐汇区宜山路 900 号 B 座 11 楼 邮编 200233
 t + 86 (0)21 6140 2666 f + 86 (0)21 6115 2359 www.sgsgroup.com.cn



CN/PCFV/2021/08/0001, 续

报告

环锻件（法兰）产品碳足迹评估报告
（编号：Q/YLTG2711-2021,A/0）

产品

环锻件（法兰）

一千克所选产品（生产质量为 4725Kg、材质为 Q355NE、规格为 4864/4056/160（mm）的环锻件（法兰））的碳足迹为 2.043 kg CO_{2e}。

产品碳足迹资料概述如下：

申请者：伊莱特能源装备股份有限公司

申请人地址：济南市章丘区官庄街道办事处济王路 9001 号

制造地点：济南市章丘区官庄街道办事处济王路 9001 号

产品描述：材质为 Q355NE、规格为 4864/4056/160（mm）的环锻件（法兰）

数据收集：该公司所提供的产品碳足迹计算及报告根据 2020 年 1 月至 2020 年 12 月的收集数据，已经过 SGS 核查。

计算方法：经 SGS 核查该计算符合 ISO 14040:2006 环境管理 - 生命周期评价 - 原则和框架、PAS 2050:2011 产品和服务在生命周期中温室气体排放的评价规范、以及 ISO/TS 14067:2018 温室气体排放-产品碳足迹-量化和交流的要求与指南。

系统边界：经 SGS 核查，该计算按照生命周期评价的原则来计算产品从摇篮到大门的碳足迹。

温室气体的计算：二氧化碳当量值是按其单位辐射强迫换算而成，换算时采用政府间气候变化专业委员会（IPCC 2013，表 8.A.1）定义的 100 年全球增温潜势。温室气体已列于 IPCC 2013，表 8.A.1。

SGS 报告号：PCFV21123



签署



颁发日期：2021 年 8 月 5 日
绿色产品服务
自愿性产品认证中心

EN/PCFV/2021/08/0001

Product Carbon Footprint (PCF) Verification Statement

The organization

Ireata Energy Equipment Co., Ltd.

9001 Jiwang Road, Zhangqiu, Jinan, China

Report

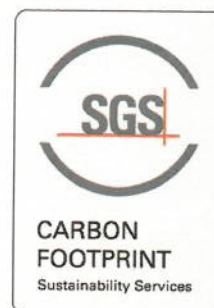
**PCF Report of Forged Ring (Flange)
(Report No.: Q/YLTG2711-2021, A/0)**

Product

Forged Ring (Flange)

**Carbon footprint of 1 kilogram of the declared product
(weight: 4725Kg, material: Q355NE, specification: 4864/4056/160 (mm)),
Forged Ring (Flange) is 2.043 kg CO₂e.**

The PCF calculation and report provided by the mentioned organization has been verified by SGS as comply for ISO 14040:2006 Environmental management - Life cycle assessment - Principles and framework, PAS 2050:2011 Specification for the assessment of the life cycle greenhouse gas emissions of goods and services, and ISO/TS 14067:2018 Greenhouse gases - Carbon footprint of products - Requirements and guidelines for quantification.



The report and calculation were based on the data collection from Jan 2020 to Dec 2020.
The base year established on Jul 2021.

Signed by

Issue Date: 06/08/2021
Green Product Service
Voluntary Certification Centre

SGS-CSTC Standards Technical Services Co., Ltd.
15F, No.900, Yishan Road, Xuhui District, Shanghai, China 200233
t + 86 (0)21 6140 2666 f + 86 (0)21 6115 2359 www.sgsgroup.com.cn

Page 1 of 2



EN/PCFV/2021/08/0001, continued

Report

**PCF Report of Forged Ring (Flange)
(Report No.: Q/YLTG2711-2021, A/0)**

Product

Forged Ring (Flange)

**Carbon footprint of 1 kilogram of the declared product
(weight: 4725Kg, material: Q355NE, specification: 4864/4056/160 (mm)),
Forged Ring (Flange) is 2.043 kg CO₂e.**

Information is summarized as follow:

Name of Applicant: Ireata Energy Equipment Co., Ltd.

Address of Applicant: 9001 Jiwang Road, Zhangqiu, Jinan, China

Manufacturing Location: 9001 Jiwang Road, Zhangqiu, Jinan, China

Product Description: Forged Ring (Flange), weight: 4725Kg, material: Q355NE, specification: 4864/4056/160 (mm)

Data Collection: The PCF calculation and report provided by the mentioned organization based on the data collected from Jan 2020 to Dec 2020 has been verified by SGS.

Calculation Approach: The calculation has been verified by SGS as comply for ISO 14040:2006 Environmental management - Life cycle assessment - Principles and framework, PAS 2050:2011 Specification for the assessment of the life cycle greenhouse gas emissions of goods and services, and ISO/TS 14067:2018 Greenhouse gases - Carbon footprint of products - Requirements and guidelines for quantification.

System Boundary: The calculation has been verified by SGS as in accordance with Life Cycle Assessment principles. The carbon footprint calculation result of cradle-to-gate is shown in this summary.

Greenhouse Gas Calculated: Carbon dioxide equivalent value on the basis of their per unit radiative forcing using 100-year global warming potentials defined by the Intergovernmental Panel on Climate Change (IPCC 2013, Table 8.A.1). Green House Gas is listed in IPCC 2013, Table 8.A.1.

SGS Report No. : PCFV21123



Signature



Issue Date: 06/08/2021
Green Product Service
Voluntary Certification Centre