

# Greenhouse Gas Emission and Removal Verification Statement

## LIGITEK ELECTRONICS CO., LTD.

Greenhouse gas emission and removal verification is conducted at the following location:

**NO. 238, Bo'ai Rd., Shulin Dist., New Taipei City 238, Taiwan (R.O.C)**

Verification on APR. 02, 11, 2024 in accordance with ISO 14064-3:2019 and qualification granted:  
**ISO 14064-1:2018**

Greenhouse gas emission information:

**Direct emissions (Category 1): 180.0268 metric tonnes of CO<sub>2</sub> equivalent (CO<sub>2</sub>e);**

**Indirect emissions (Category 2): 1,987.2634 metric tonnes of CO<sub>2</sub> equivalent (CO<sub>2</sub>e);**

**Other selected indirect emission categories (Categories 3-6) will be listed on the table in the following pages.**

- ❖ Reporting period: January 1, 2023 to December 31, 2023.
- ❖ Categories 1 and 2 are verified at reasonable assurance level.
- ❖ Categories 3 to 6 are verified at limited assurance level.
- ❖ Uncertainty assessment 95% confidence level: -7.07% to +7.07%.



W.J. Chen, Managing Director

Initial Issued Date: DEC. 13, 2023

Latest Issued Date: APR. 30, 2024

- ❖ Types of greenhouse gases reported include CO<sub>2</sub>、CH<sub>4</sub>、N<sub>2</sub>O and HFCs.
- ❖ Emission factors: The Power emission factor of 2023 is 0.495 kgCO<sub>2</sub>e/kWh; other emission factors refer to EPA management table 6.0.4. GWP values of various greenhouse gases are based on the 6th assessment report of IPCC.
- ❖ This statement above is based on the conclusion drawn from the verification of the relevant information provided by the client being verified. Therefore GREAT thought the verified information are completeness and validity.
- ❖ Any questions or concerns related to the content of this statement or relevant issues shall be addressed by the client being verified (customer category code: A-11).
- ❖ The organization reported the following data on greenhouse gas emissions and removals between January 1, 2023 and December 31, 2023:

 Unit: metric tonnes CO<sub>2</sub>e

Reporting boundary category		Notes	Greenhouse gas emission
<b>Category 1: Direct greenhouse gas emissions and removals</b>			<b>180.0268</b>
1.1	Direct emissions from stationary combustion	Generator	0.2536
1.2	Direct emissions from mobile combustion	Gasoline Car, Gardening tools	49.8048
1.3	Direct process emissions and removals from industrial processes		NS*
1.4	Direct and temporary release of greenhouse gases by human activities	WD-40, Air Conditioning Equipment, Ice Water Machine, Refrigeration Equipment, Drinking Water Dispenser, Dehumidifier, Commercial Freezer, Industrial Equipment, Government Vehicle Refrigerant, Septic Tank, Fire Extinguisher	129.9684
1.5	Direct emissions and removals from land use, land use change and forestry		NS*
<b>Category 2: Indirect greenhouse gas emissions generation from imported energy</b>			<b>1,987.2634</b>
2.1	Indirect emissions from imported electricity	Outsourced electricity.	1,987.2634
2.2	Indirect emissions from imported energy		NS*
<b>Category 3: Indirect greenhouse gas emissions from transportation</b>			<b>88.7793</b>
3.1	Emissions from upstream transport and distribution for goods	raw material transportation	0.0195
3.2	Emissions from downstream transport and distribution for goods	Product transportation	34.8138
3.3	Emissions from employee commuting	Employee Commuting	52.0476
3.4	Emissions from client and visitor transportation vehicle		NS*
3.5	Emissions from business travel	Employee business trips	1.8984
<b>Category 4: Indirect greenhouse gas emissions from products used by the organization</b>			<b>424.6980</b>
4.1	Indirect greenhouse gas emissions from goods purchased by an organization	Emissions from photocopy paper procurement. Upstream mining and transmission and distribution of electricity	411.4610

4.2	Indirect greenhouse gas emissions from capital goods		NS*
4.3	Indirect greenhouse gas emissions from the disposal of solid and liquid waste	General and hazardous waste removal and treatment (incineration/physical/chemical treatment)	12.9574
		Solid and liquid waste transportation (general, hazardous, domestic waste)	0.2796
4.4	Indirect greenhouse gas emissions from the use of assets		NS*
4.5	Indirect greenhouse gas emissions from the use of services that are not described in the above subcategories		NS*
<b>Category 5: Indirect greenhouse gas emissions associated with the use of products from the organization</b>			NS*
5.1	Emissions or removals from the use stage of the product		NS*
5.2	Emissions from downstream leased assets		NS*
5.3	Emission from end-of-life stage of the product		NS*
5.4	Emission from investment		NS*
<b>Category 6: Indirect greenhouse gas emissions from other sources</b>			NS*
<b>Direct removals</b>			NS*
<b>Annual total storage volume</b>			NS*
<b>Carbon financial instrument</b>			NS*

NA\*, NS \*: excluded from the calculation for the above

Coverage of the reporting boundary subcategories in the verification activities for the organization:

Client or organization name	Address	Subcategory
LIGITEK ELECTRONICS CO., LTD. 立基電子工業股份有限公司	No. 238, Bo'ai St., Shulin Dist., New Taipei City 238, Taiwan (R.O.C.) 238 新北市樹林區博愛街 238 號	1,1,1.2,1.4, 2.1, 3.1,3.2,3.5, 4.1,4.3