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CNAS VV009-EI

Zhongtian Radio Frequency Cable Co., Ltd.

Organizational GHG Verification Report

Client: Zhongtian Radio Frequency Cable Co., Ltd.

Name of Verification Body: TÜV SÜD Certification and Testing (China) Co., Ltd.

Address of Verification Body: 5F, Communication Building, 163 Pingyun Rd, Huangpu Ave. West, Guangzhou 510656 P.R. China

Report No.: 704102501319 Rev.01

Date of issue: 2025-08-21

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Verification summary

Client ..... :	Zhongtian Radio Frequency Cable Co., Ltd.
Responsible Party..... :	Zhongtian Radio Frequency Cable Co., Ltd.
Address of responsible party..... :	No 105 Qixin Road, Economic & Technological Development Zone, Nantong, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA 226010
Reporting period ..... :	2024-01-01~2024-12-31
Project started date..... :	2025-02-17
Declaration of Responsible party ..... :	Claim Content: The total GHG emissions of Zhongtian Radio Frequency Cable Co., Ltd. at the organizational level in 2024-01-01~2024-12-31 in organizational boundary and reporting boundary are 499211.0385 tCO_2e. Claim Date: 2025-01-14
Verification standard	☒ ISO 14064-1:2018 *Greenhouse gases — Part 1: Specification with guidance at the organization level for quantification and reporting of* *cification with* *gas*
Implementation	
Organizational boundaries	*hic &* *Province,* PEOPLE'S REPUBLIC OF CHINA. No 1 Tianchi Road, Hekou Town, Rudong, Nantong, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA. Second Floor of Office Building 3, Zhongtian Industrial Park, Hekou Town, Rudong, Nantong, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA
Consolidation approach:	☐ Financial control ☒ Operational control ☐ Equity share
Level of assurance..... :	☒ Reasonable ☐ Limited
Material discrepancy..... :	Within 5% of total emissions across organizational boundaries
Related Industrial Category ..... :	A02 General Manufacturing (A2.6 Computer, communications and other electronic equipment manufacturing)
Reporting boundary ..... :	☒ Category 1: direct GHG emissions and removals ☒ Category 2: indirect GHG emissions from imported energy ☒ Category 3: indirect GHG emissions from transportation

	☒ Category 4: indirect GHG emissions from products used by organization ☒ Category 5: indirect GHG emissions associated with the use of products from the organization ☒ Category 6: indirect GHG emissions from other sources
GHG groups.....:	Including CO_2, CH_4, N_2O, HFCs, PFCs, SF_6, NF_3 seven types of greenhouse gases
GHG sources and sinks.:	The facilities of the organization contributing to GHG emissions within the reporting boundaries
Base year.....:	2024-01-01~2024-12-31
Verification conclusi	In accordance with ISO 14064-3:2019, the claim submitted by the responsible party was verified. It was verified that the organization's ndaries meet the med data and jor discrepancy.
Verification c types.....	
Verification tean member.....	
Leader of verification team.....	Jonny Wang
Other personnel (observers, interns/trainees, external assessors, etc.).....:	Observers: /
	Interns / trainees: /
	External auditors: /

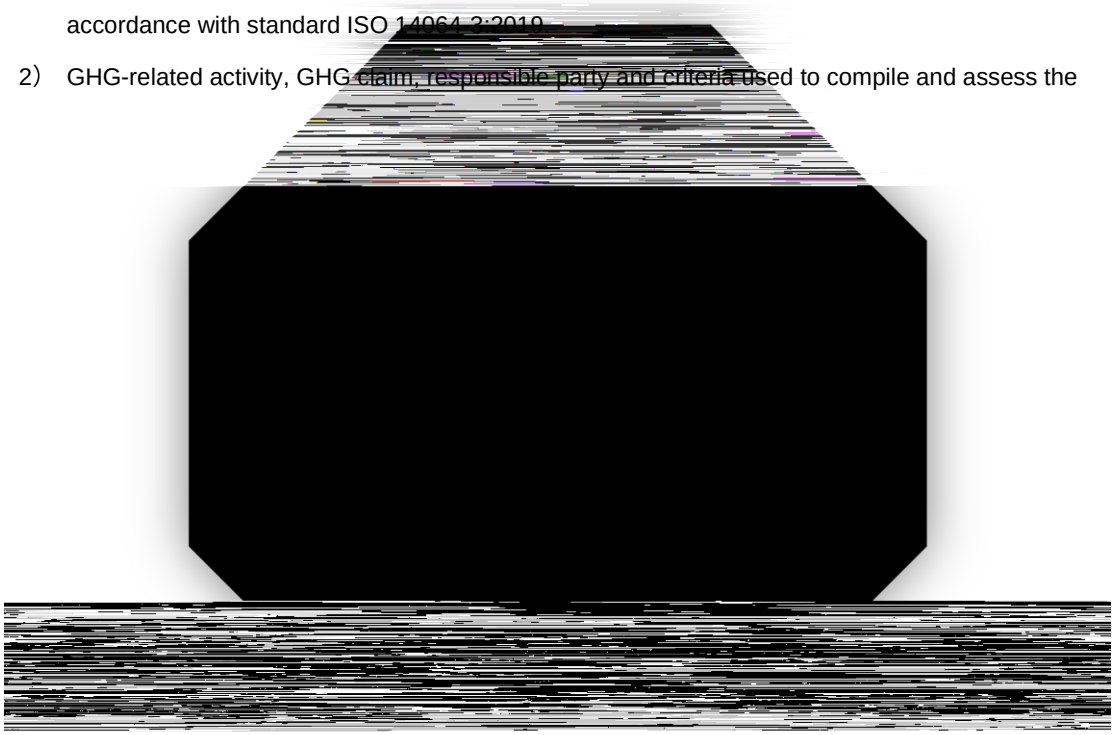
1. Summary

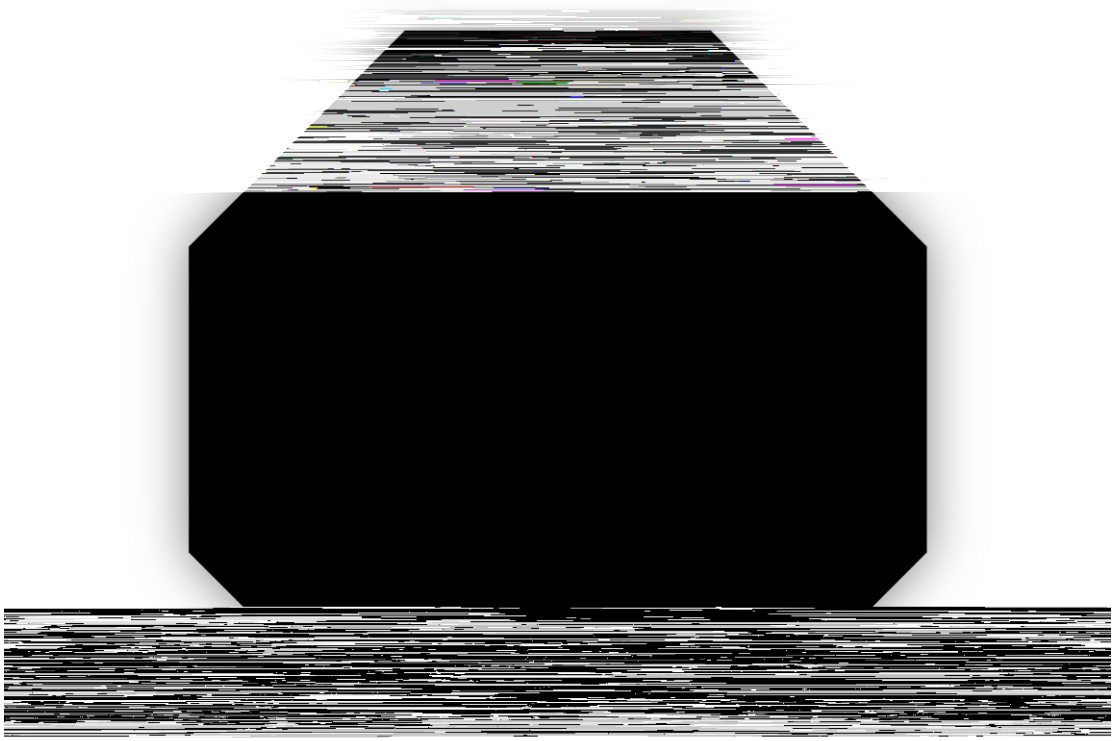
Background
TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch (hereinafter referred to as TÜV SÜD) was commissioned by Zhongtian Radio Frequency Cable Co., Ltd. to verify GHG emission. Between 2025-02-17~2025-05-12, TÜV SÜD auditor Johny Wang and Tony Sun conducted the carbon verification activities of the responsible party to evaluate the conformity of GHG related verification specification for the organization, including the principles and requirements of the standards or GHG scheme that applied to the verification Category.
Verification conclusion

After verification, TÜV SÜD Certification and Testing (China) Co., Ltd. reached conclusions as below:

1） The Organization's GHG emissions verification verifies claims made by responsible party in accordance with standard ISO 14064-3:2019.

2） GHG-related activity, GHG claim, responsible party and criteria used to compile and assess the





our commitment to the society and employees' health, safety and environment, and adhere to the resource-saving and environment-friendly road.
Responsible Party Greenhouse Gas Claim (Self-declaration)
The total GHG emissions of Zhongtian Radio Frequency Cable Co., Ltd. at the organizational level in 2024-01-01~2024-12-31 in organizational boundary and reporting boundary are 499211.0385 tCO_2e.
Level of assurance
☒ Reasonable assurance ☐ Limited assurance
Verification purpose
☒ Verify the accuracy and conformity claimed by the responsible party according to the verification criteria. ☒ Provide independent evaluation of relevant information through objective evidence, including whether the information in GHG reporting meets the principles of relevance, completeness, consistency, accuracy, and transparency; Whether there are material errors and omissions in the reported data results; Whether the level of assurance provided is met. ☐ Others:
Verification Standard
☒ ISO 14064-1:2018 *Greenhouse gases — Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals.* ☒ ISO 14064-3:2019 *Greenhouse gases — Part 3: Specification with guidance for the verification and validation of greenhouse gas statements.*
Verification Category

Organizational boundary	[redacted]quity share [redacted]ons within the [redacted]Zhongtian Radio Frequency Cable Co., Ltd. [redacted]No 105 Qian Road, Economic & Technological Development Zone, Nantong, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA
Operation Site Covered by Verification activities:	No 1 Tianchi Road, Hekou Town, Rudong, Nantong, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA Second Floor of Optical Cable Office, Optical Cable Factory, Zhongtian Second Floor of Office Building 3, Zhongtian Industrial Park, Hekou Town, Rudong, Nantong, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA
Reporting Boundary	☒ Category 1: direct GHG emissions and removals ☒ Category 2: indirect GHG emissions from imported energy ☒ Category 3: indirect GHG emissions from transportation ☒ Category 4: indirect GHG emissions from products used by organization ☒ Category 5: indirect GHG emissions associated with the use of products from the organization ☒ Category 6: indirect GHG emissions from other sources

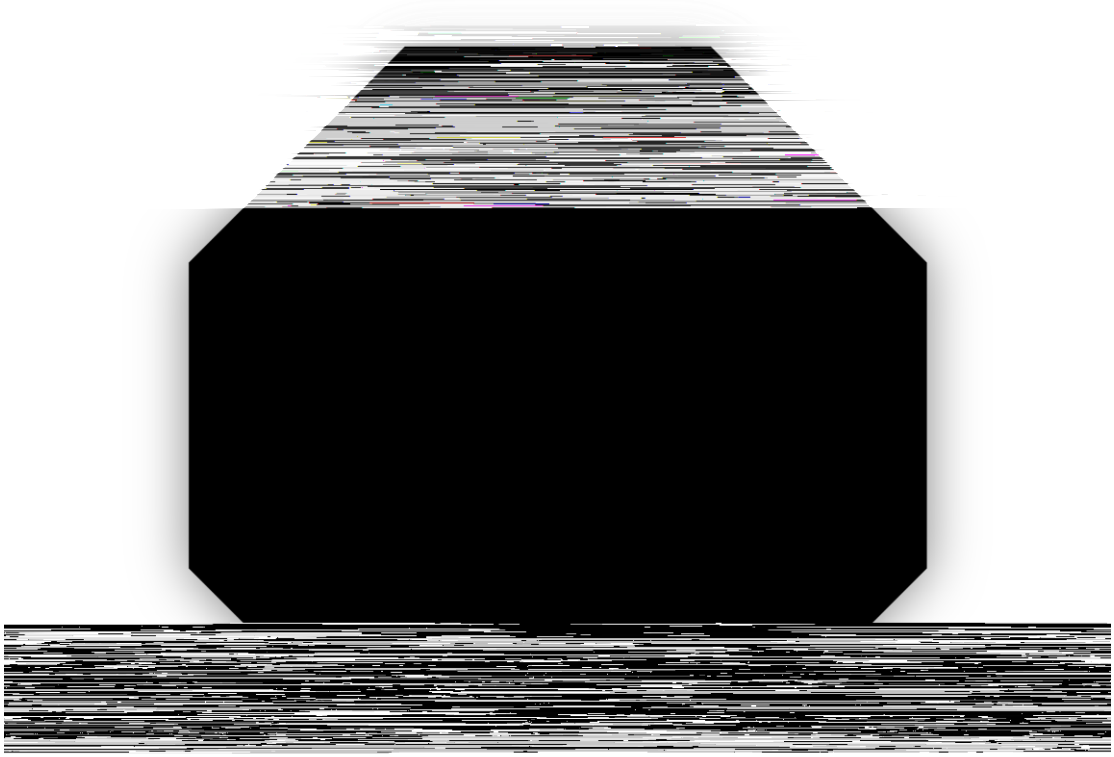
Quantified emission source attributes	☒ Non-biogenic GHG emissions and removals ☒ Anthropogenic biogenic CO_2 emissions and removals ☒ Anthropogenic biogenic emissions and removals of other GHGs ☐ Non-anthropogenic biogenic GHG emissions and removals
Facilities, physical infrastructure, activities, technologies, and processes	Manufacture and sale of RF coaxial cables, leaky coaxial cables, symmetrical communication cables, signal cables, control cables, high-temperature coaxial cables, high-temperature wires & cables, hybrid fiber-optical cables (composite cables), flexible waveguide feeders (flexible waveguide lines), flexible waveguide leaky cables (flexible waveguide leaky lines), communication network cable, connectors, jumper assemblies, harness assemblies, lightning arresters, feeder clamps and matching accessories.
GHG SSRs	All the facilities of the responsible party contributing to GHG emissions within the reporting boundary
Types of GHGs	☒ CO_2 ☒ CH_4 ☒ N_2O ☒ HFCs ☒ PFCs ☒ SF_6 ☒
Time Boundary	[redacted]
Materiality thresholds	
The numerical error of the GHG claim is within 5%, and the deviation of the GHG claim does not affect its reliability and the decision of the intended user based on the claim.	

2.2. Verificati[redacted]

Verification team	
Name	Role
Johnny Wang	Team leader
Tony Sun	Team member
Observers: /	Other personnel (observers, interns/trainees, external assessors, etc.)
Interns / trainees: /	
External auditors: /	

Verification schedule	
Date	**Work content**
2025-03-10~2025-03-11	Documents review
2025-04-07~2025-04-08	Site visit
2025-08-20	Verification report writing
2025-08-21	Issue of verification report

are collected for verification, and 92.86% of cross-check data sources are sampled. In summary, the verification results can meet the requirements of assurance level and materiality threshold.
Evidence-gathering



2025-04-07~2025-04-08	· Inspect whether the main energy consumption equipment and facilities and energy measurement system of the enterprise meet the requirement of GHG quantification
2025-04-07~2025-04-08	· Collation of data sources, metrological verification, and cross check evidence · Internal evaluation and review of GHG quantification methods · Record and save of GHG documents
2025-04-07~2025-04-08	· Verification standard · GHG emission boundary · GHG control procedures of the verified party · Contents of GHG inventory report · Determine the conformity of calculation method and emission factor · claim of enterprise

3. Verificati

3.1. Assessm

Assessment of GHG information system and its control
The energy cor ta statistics and settlement mee quirements. The verification team cros e energy activity level data provided by the enterprise was accurate and reliable. The responsible party's electricity consumption data is obtained from the electricity invoice provided by the power company, which calibrates the meter. The rest, such as diesel purchase record, refrigerant filling amount, transported materials, etc., comes from the weight provided by the supplier, and the weighing equipment is calibrated by the supplier; The weight data of the waste is derived from the company's weighbridge and is calibrated. Responsible party Greenhouse gas management is the responsibility of the quality department. The responsibilities and terms of reference of the GHG Panel are described below: - Top management: responsible for the establishment of the company's greenhouse gas team, the appointment of greenhouse gas representatives, the provision of resources for greenhouse gas inventory verification, the reporting of greenhouse gas management performance to the Group company, and the person responsible for the greenhouse gas report issued by the company. - Greenhouse Gas Representative: The head of Operations is responsible for organizing the greenhouse gas team to conduct inventory work, responsible for reporting the status and results of

greenhouse gas inventory and verification to top management and is the designated window for internal and external communication.

- Greenhouse gas authority: responsible for summarizing the level of activity data related to greenhouse gas inventory and verification, and responsible for the establishment of the Company's inventory and the preparation of reports; Responsible for the company's inventory information management, greenhouse gas inventory and verification of documents and records management and archiving.

The responsibilities of the Equipment Department are as follows:

-Responsible for recording power meter reading data of station area, daily meter reading, monthly summary, and providing to the competent department of greenhouse gas.

-Responsible for recording the refrigerant filling data of air conditioning in the station area, summarizing it annually and providing it to the competent department of greenhouse gas.

- Responsible for the filling data records of fire extinguishers in the station area, annual summary, and provide to the greenhouse gas authorities.

-Responsible for counting the number of workers in the factory and the average monthly working hours and providing month

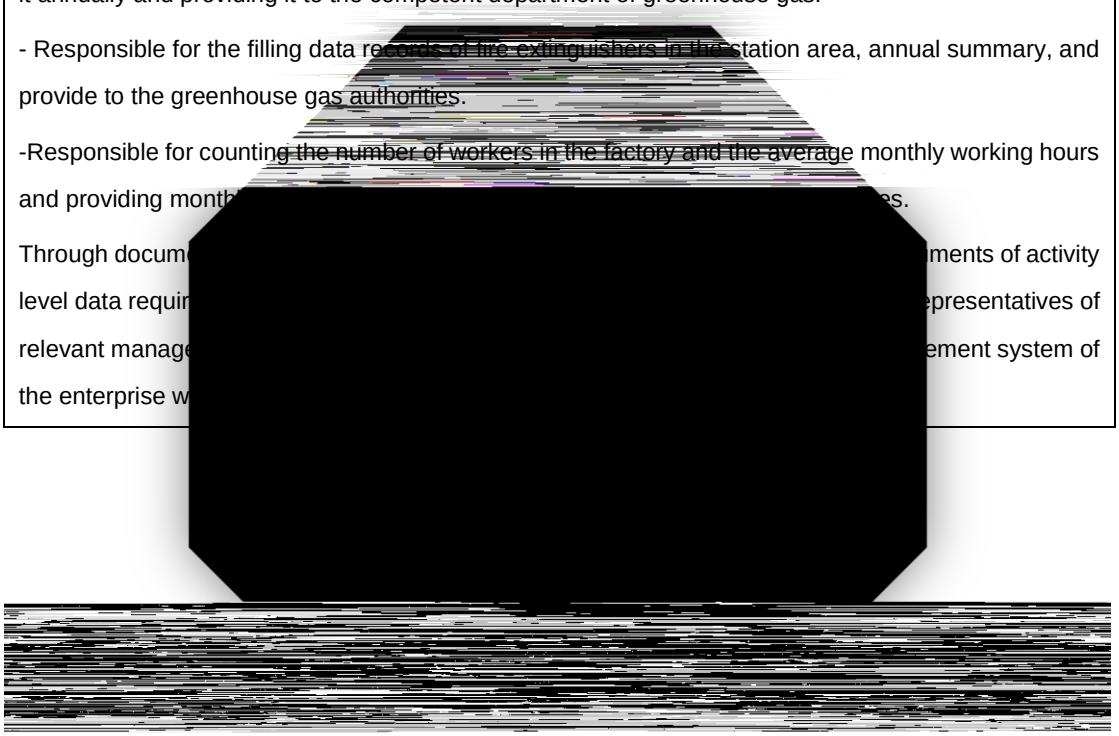
es.

Through docum

ments of activity level data requir

epresentatives of relevant manage

ement system of the enterprise w



3.2. Assessment of GHG data and information

Activity data and emission factor compliance

The verification team verified each activity data in the enterprise greenhouse gas emission report submitted by the enterprise. The verification included the values, units and sources of activity data, the values and sources of emission factors, and the GHG calculation process.

The verification information are as follows:

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
Category 1: direct GHG emissions and removals	Diesel	Diesel forklift	Direct e ☒ Emis method ☐ Mas method ☐ Mea method	[redacted]	[redacted]	[redacted]	[redacted] $kgCO_2/TJ$ [redacted] $kgCH_4/TJ$ [redacted] kgN_2O/TJ [redacted] e: 42652 [redacted] Gg	*2006 IPCC Guidelines for National Greenhouse Gas Inventories* Table 3.3.1, Chapter III, Volume II *China Energy Statistical Yearbook 2022* Appendix IV	

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Propane	Propane combustion	Direct emission ☐ Emission factor method ☒ Mass balance method ☐ Measurem method	546.00	kg	Raw material acquisition record	3.0000 $kgCO_2/kg$		1.6380
	Methane	Methane combustion	Direct e ☐ Emis method ☒ Mas method ☐ Mea method				gCO_2/kg		0.0102
	R32	Air conditioning	Direct emission ☒ Emission factor method ☐ Mass balance method ☐ Measurement method	41.30	kg	Quantity and the nameplate of air conditioners	Fugitive factor: 5.5%	2006 *IPCC Guidelines for National Greenhouse Gas Inventories* Table 7.9, Chapter VII, volume III	1.7513

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	R410A	Air conditioning	Direct emission ☒ Emission factor method ☐ Mass balance method ☐ Measurem method	279.30	kg	Quantity and the nameplate of air conditioners	Fugitive factor: 5.5%	*2006 IPCC Guidelines for National Greenhouse Gas Inventories* Table 7.9, Chapter VII, volume III	34.6479
	HFC-227ea	Fire extinguisher	Direct e ☒ Emis method ☐ Mas method ☐ Mea method				actor: 2%	*2006 IPCC Guidelines for National Greenhouse Gas Inventories* 7.6.2.2, Chapter VII, volume III	0.2880
	Carbon dioxide	Fire extinguisher	Direct emission ☒ Emission factor method ☐ Mass balance method ☐ Measurement method	10.00	kg	Fire extinguisher type, number, and original fill.	Fugitive factor: 5.0%	GB 4351.1-2005 *Portable fire extinguishers- Part 1: Performance and construction*	0.0005

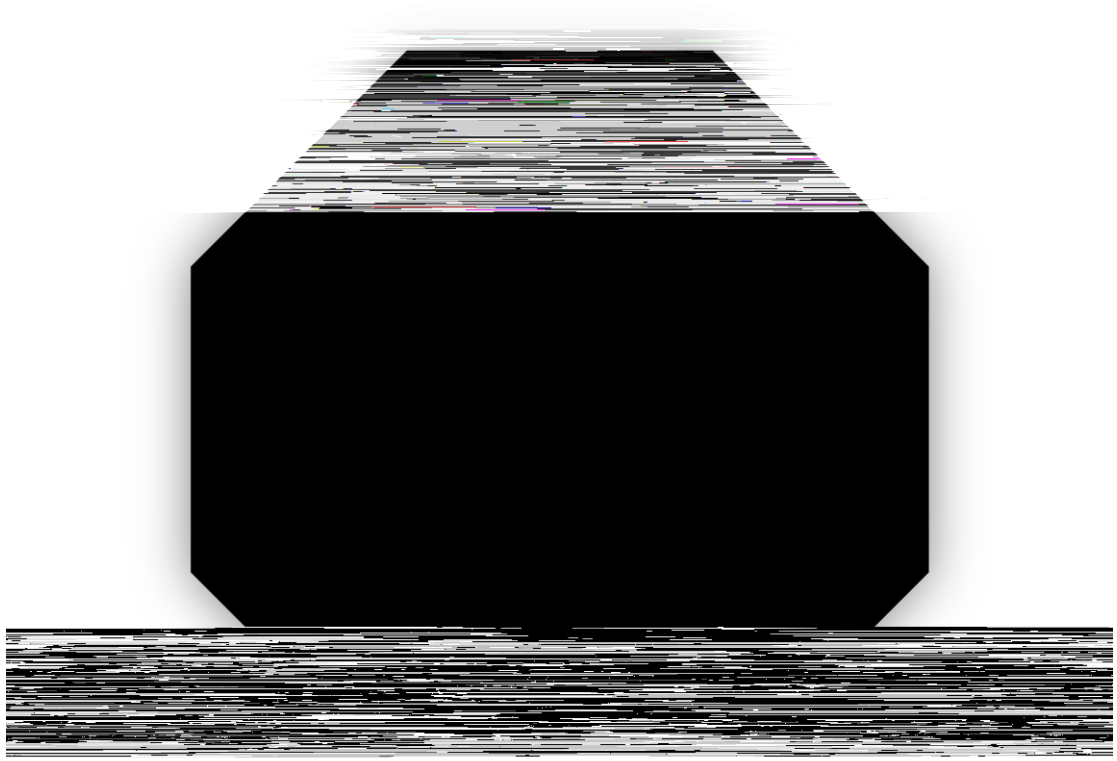
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Carbon dioxide	Gas usage	Direct emission ☐ Emission factor method ☒ Mass balance method ☐ Measurem method	44462.60	kg	Raw material acquisition record	1.0000 $kgCO_2/kg$		44.4626
	Septic-tank	Septic-tank	Direct em ☒ Emis method ☐ Mas method ☐ Mea method			dividual ion: 40 on/day m CH_4 capacity CH_4/kgBOD (MCF): 0.5		*2006 IPCC Guidelines for National Greenhouse Gas Inventories* Table 6.2, Table 6.3 and Table 6.4, Chapter VI, volume V	64.8893
Category 2: indirect GHG emissions from imported energy	Imported electricity	Grid electricity	Electricity and heat ☒ Location-based method ☐ Market-based method	13945364.75	kWh	Enterprise's power statistics	0.5366 $kgCO_2/kWh$	2022 National Grid Average CO2 Emission Factor	7483.0827

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Imported electricity	Zhongtian Photovoltaic Technology Co., Ltd. sourced electricity	Electricity and heat: ☒ Location-based method ☐ Market-based method	1997920.00	kWh	Enterprise's power statistics	0.0000 $kgCO_2/kWh$		0.0000
	Imported electricity	Rooftop photovoltaic electricity	Electrici ☒ Loca method ☐ Mark method				CO_2/kWh		0.0000
Category 3: indirect GHG emissions from transportation	Employee commuting vehicle	Outsourcing vehicle	Transpo and com ☐ Fuel-ba ☒ Distance-based method ☐ Spend-based method ☐ Not applicable			Employee commuting statistics		ecoinvent 3.10 database	162.0829

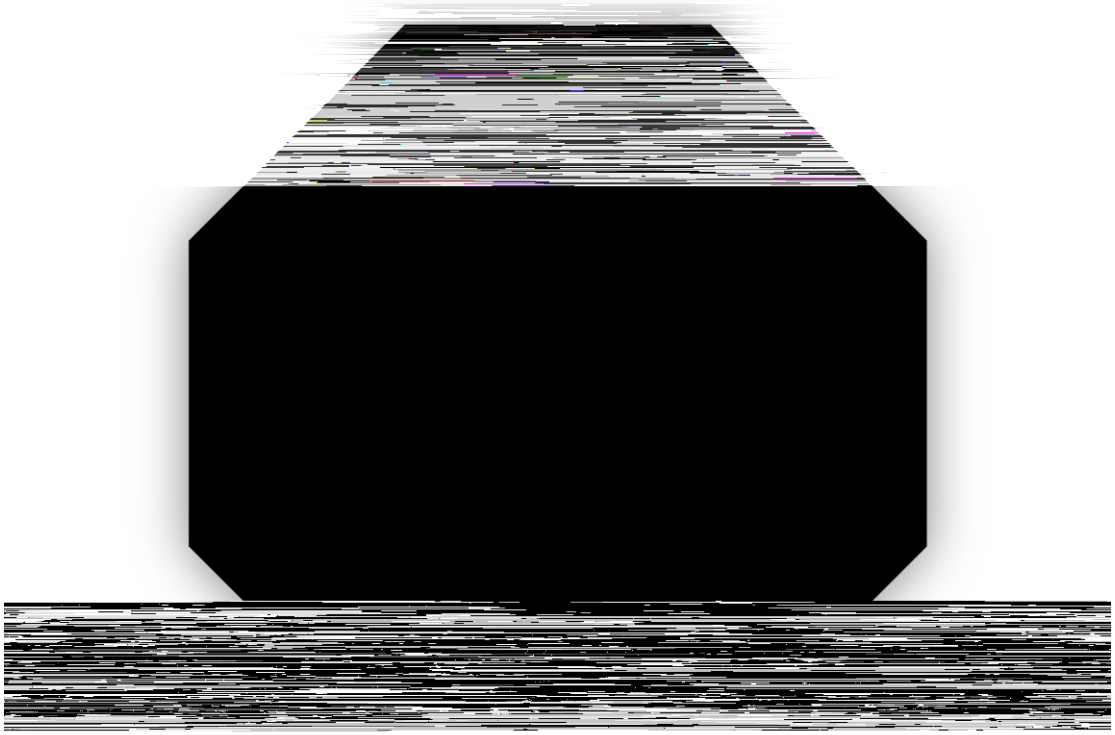
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Employee commuting electric vehicle	Outsourcing electric vehicle	Transportation, travel and commuting:	[redacted]					

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Employee taxi traveling	Taxi traveling	Transportation, travel and commuting: ☐ Fuel-based method ☒ Distance-based method ☐ Spend-ba method ☐ Not	1110.00	pkm	Employee traveling compensate record	0.3632 $kgCO_2e$/km	Ecoinvent 3.10 database	0.4031
	Employee plane traveling	Plane traveling	Transpo and com ☐ Fuel ☒ Dista method ☐ Spend-b method ☐ Not applicable				CO_2e/pkm	Ecoinvent 3.10 database	17.5831

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Employee rail traveling	Rail traveling	Transportation, travel and commuting: ☐ Fuel-based method ☒ Distance-based method ☐ Spend-ba method ☐ Not	130565.00	pkm	Employee traveling compensate record	0.0749 $kgCO_2e$/pkm	Ecoinvent 3.10 database	9.7753
	Employee subway traveling	Subway traveling	Transpo and com ☐ Fuel ☒ Dista method ☐ Spend-b method ☐ Not applicable				gCO_2e/pkm	Notice of the Beijing Municipal Ecology and Environment Bureau on Effectively Managing Carbon Emission Entities and Piloting Carbon Emission Trading in the Municipality for 2024	0.000012

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Emn	(							

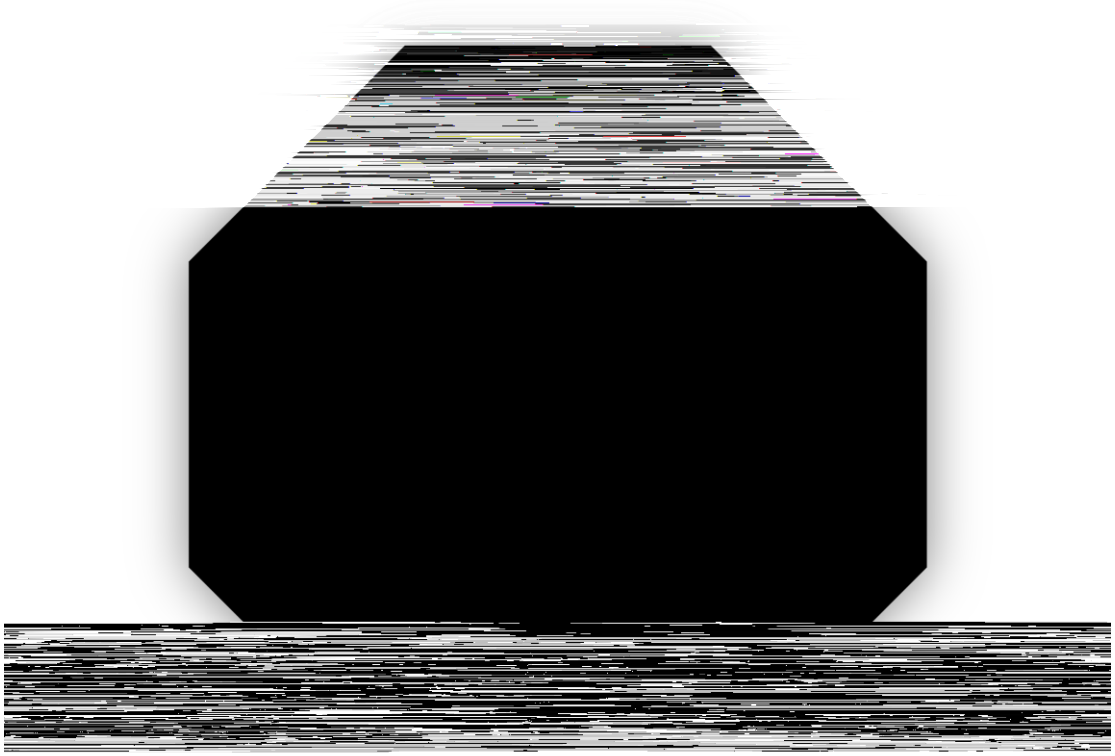
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Upstream material transportation	Upstream material road transportation 3.5t-16t	Transportation, travel and commuting: ☐ Fuel-based method ☒ Distance-based method ☐ Spend-ba method ☐ Not	5317580.13	tkm	Raw material acquisition record	0.2451 kgCO_2e/tkm	Ecoinvent 3.10 database	1303.2020
	Upstream material transportation	Upstream material road transportation 16t-32t	Transpo and com ☐ Fuel ☒ Dista method ☐ Spend- method ☐ Not applicable				CO_2e/tkm	Ecoinvent 3.10 database	2287.1907



Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Downstream material transportation	Downstream material road transportation <3.5t	Transportation, travel and commuting: ☐ Fuel-based method ☒ Distance-based method ☐ Spend-ba method ☐ Not	5076269.27	tkm	2024 sales record	2.1172 kgCO_2e/tkm	Ecoinvent 3.10 database	10747.6085
	Downstream material transportation	Downstream material road transportation 3.5t-16t	Transpo and com ☐ Fuel ☒ Dista method ☐ Spend-b method ☐ Not applicable				CO_2e/tkm	Ecoinvent 3.10 database	3124.3441

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Downstream material transportation	Downstream material road transportation 16t-32t	Transportation, travel and commuting: ☐ Fuel-based method ☒ Distance-based method ☐ Spend-ba method ☐ Not	14234501.04	tkm	2024 sales record	0.1940 kgCO_2e/tkm	Ecoinvent 3.10 database	2761.6855
	Downstream material transportation	Downstream material road transportation >32t	Transpo and com ☐ Fuel ☒ Dista method ☐ Spend-b method ☐ Not applicable				CO_2e/tkm	Ecoinvent 3.10 database	1544.3551

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
Category 4: indirect GHG emissions from products used by organization	Production equipment	Production equipment cost	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☐ Average-[illegible] method ☒ Spen[illegible] method ☐ Not [illegible]	1275.43	Ten thou[illegible]	Stationary equipment	1.9524 tCO_2e/ten [illegible]usand RMB	*Chinese Environmentally Extended Input-Output database* adjusted by 2024 PPI	2490.1583
	Office equipment	Computer	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[illegible]	[illegible]	2024 office equipment record	[illegible]	ecoinvent 3.10 database	32.6133



Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased service	Dining cost	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☐ Average-[illegible] method ☒ Spen[illegible] method ☐ Not [illegible]	132.22	Ten thou[illegible]	2024 dining cost	0.7397 tCO_2e/ten [illegible]usand RMB	*Chinese Environmentally Extended Input-Output database* adjusted by 2024 PPI	97.8039
	Purchased service	Processing service	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☐ Average-data method ☒ Spend-based method ☐ Not applicable	1033.27	thou[illegible] sand RMB	Raw material acquisition record	1.7796 tCO_2e/ten thousand RMB	*Chinese Environmentally Extended Input-Output database* adjusted by 2024 PPI	343.9419

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased living products	Drinking water	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spe[illegible] method ☐ Not [illegible]	161.25	m^3	Drinking water	0.3913 $kgCO_2e/kg$	*China Products Carbon Footprint Factors Database,* Drinking water	63.0959
	Tap water	Tap water	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[illegible]	m^3	2024 tap water invoice	[illegible]	Ecoinvent 3.10 database	122.4535

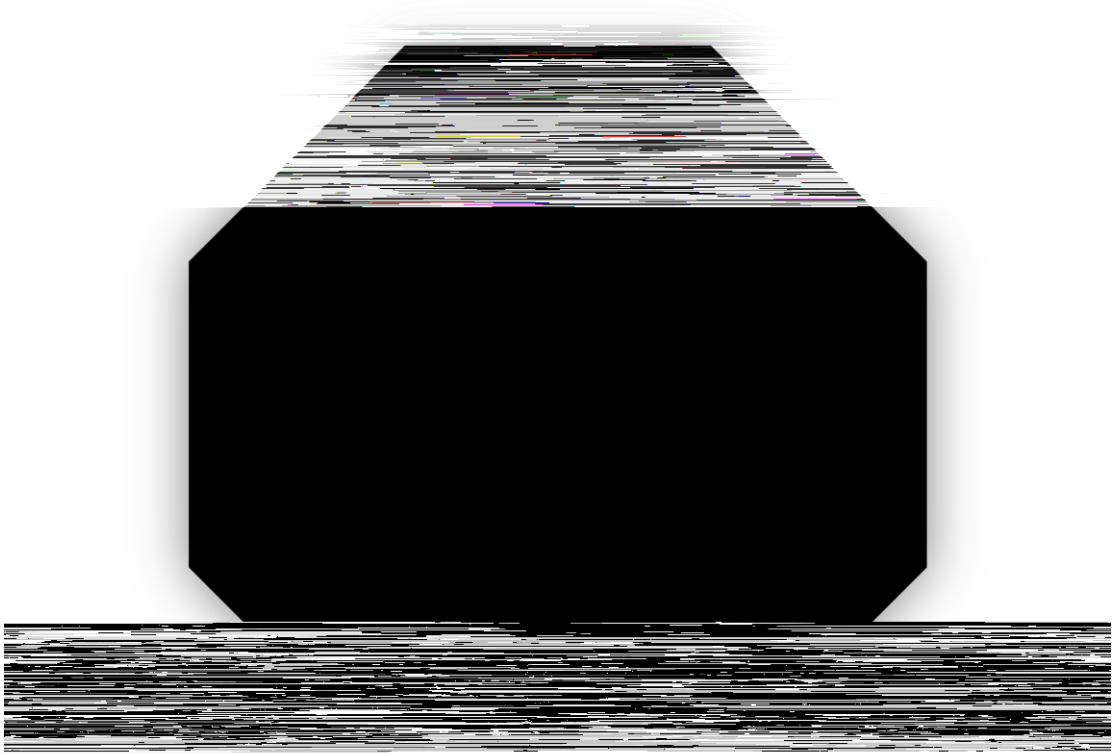
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	ABS product	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average- method ☐ Spe method ☐	[redacted]					

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	EAA material	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spen[redacted] method ☐ Not [redacted]	9650.00	kg	Raw material	3.7261 $kgCO_2e/kg$	Ecoinvent 3.10 database	35.9571
	Purchased raw material	FEP material	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	kg	Raw material acquisition record	[redacted]	[redacted]nvent 3.10 database	201.5201

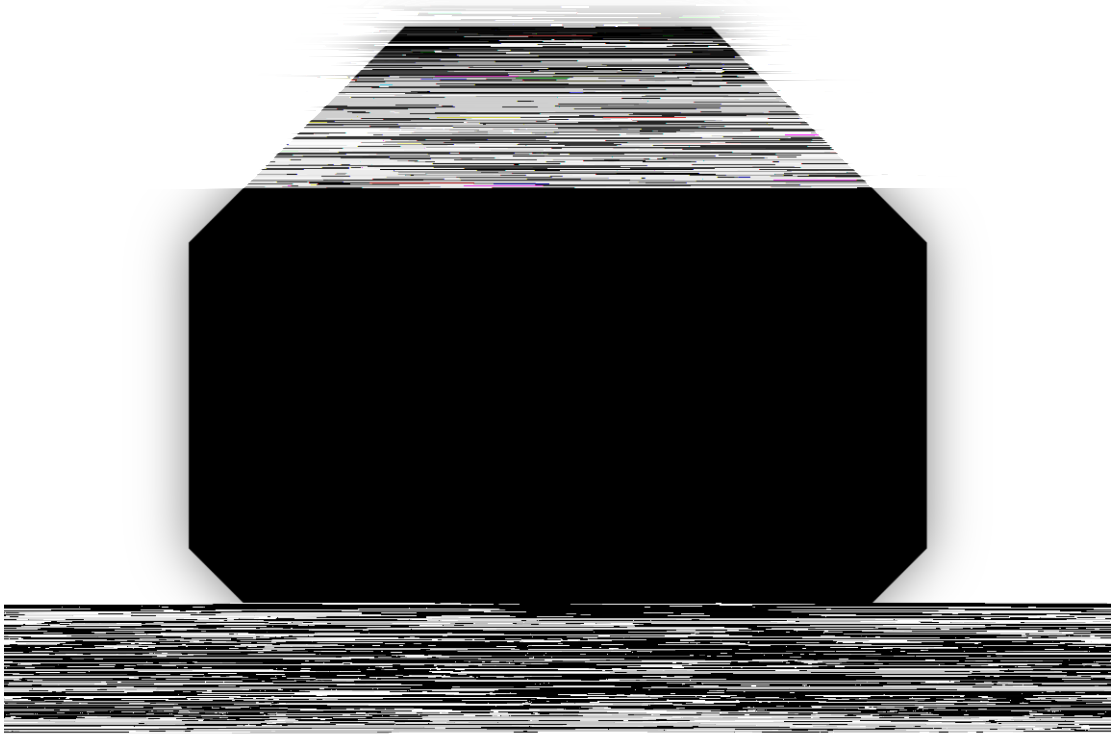
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	HDPE material	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spen[redacted] method ☐ Not [redacted]	3667814.00	kg	Raw material	3.1562 $kgCO_2e/kg$	Ecoinvent 3.10 database	11576.4465
	Purchased raw material	HDPE material	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	[redacted]	Raw material acquisition record	[redacted]	Ecoinvent 3.10 database	2977.1738

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	PE tape	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average- method ☐ Spe method ☐ Not	757.89					

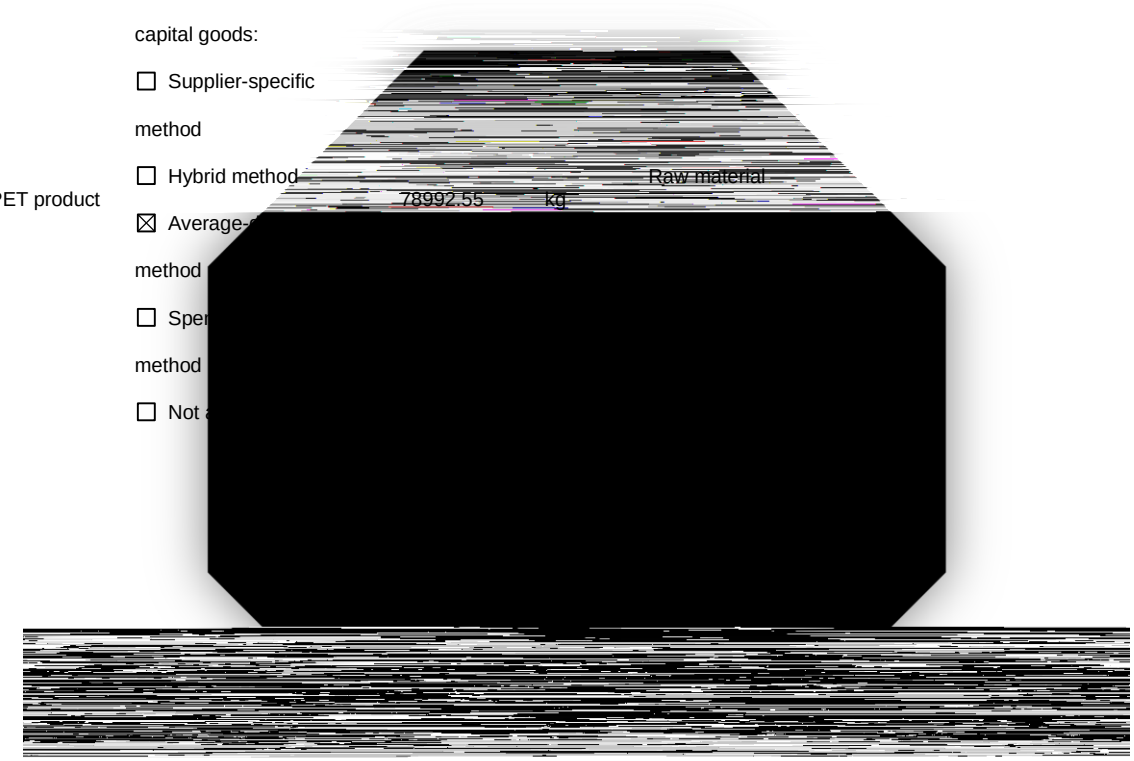
Emission categories	Emission source	Facilities or process

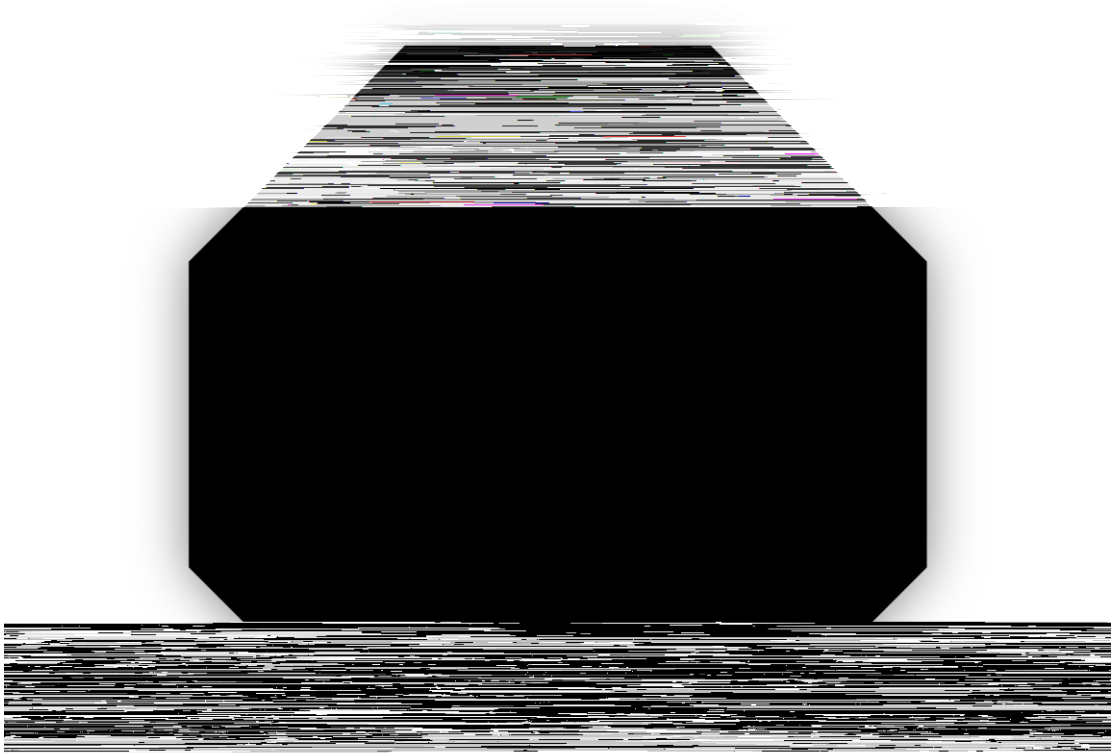


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	LSZH material	[redacted]	9669816.00	kg	Raw material	2.1529 $kgCO_2e/kg$	Ecoinvent 3.10 database	20817.8179
			Goods, s capital g ☐ Supp						
	Purchased raw material	PA6 product							



Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	PET product	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average- method ☐ Spe method ☐ Not	78992.55	kg	Raw material			



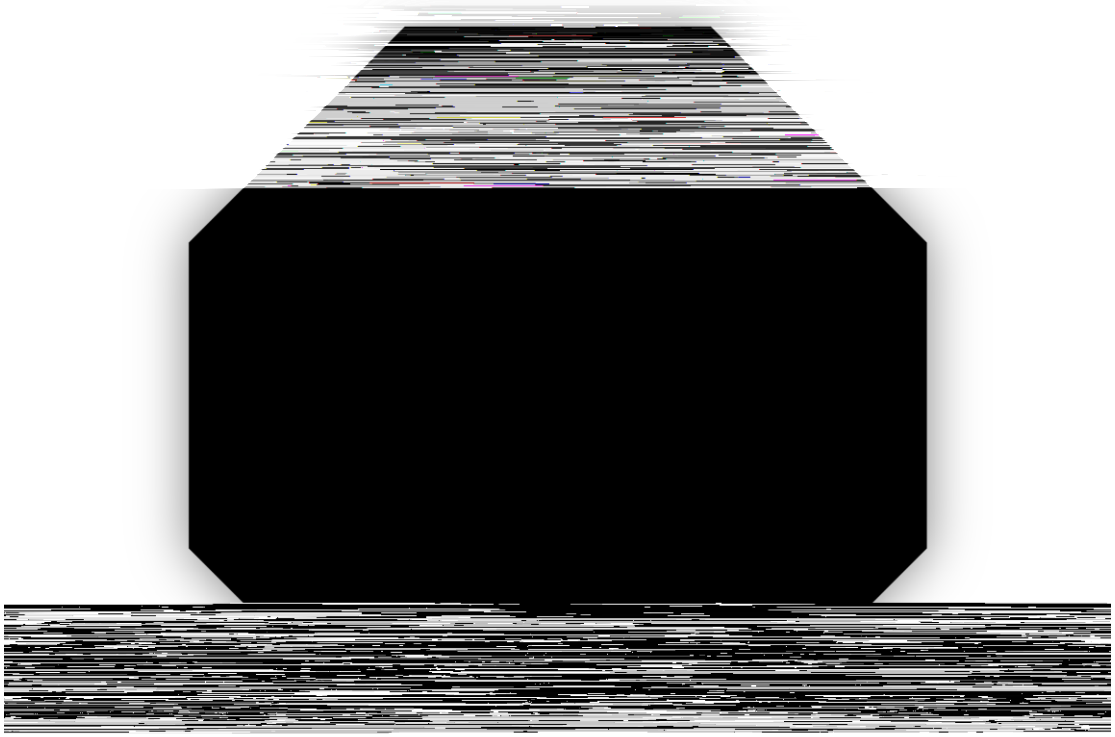


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	PP material	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spe[illegible] method ☐ Not [illegible]	96628.5	kg	Raw material	3.6789 $kgCO_2e/kg$	Ecoinvent 3.10 database	355.4863
	Purchased raw material	PP plastic [illegible]	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[illegible]	kg	Raw material acquisition record	[illegible]	[illegible]nvent 3.10 database	2.8465

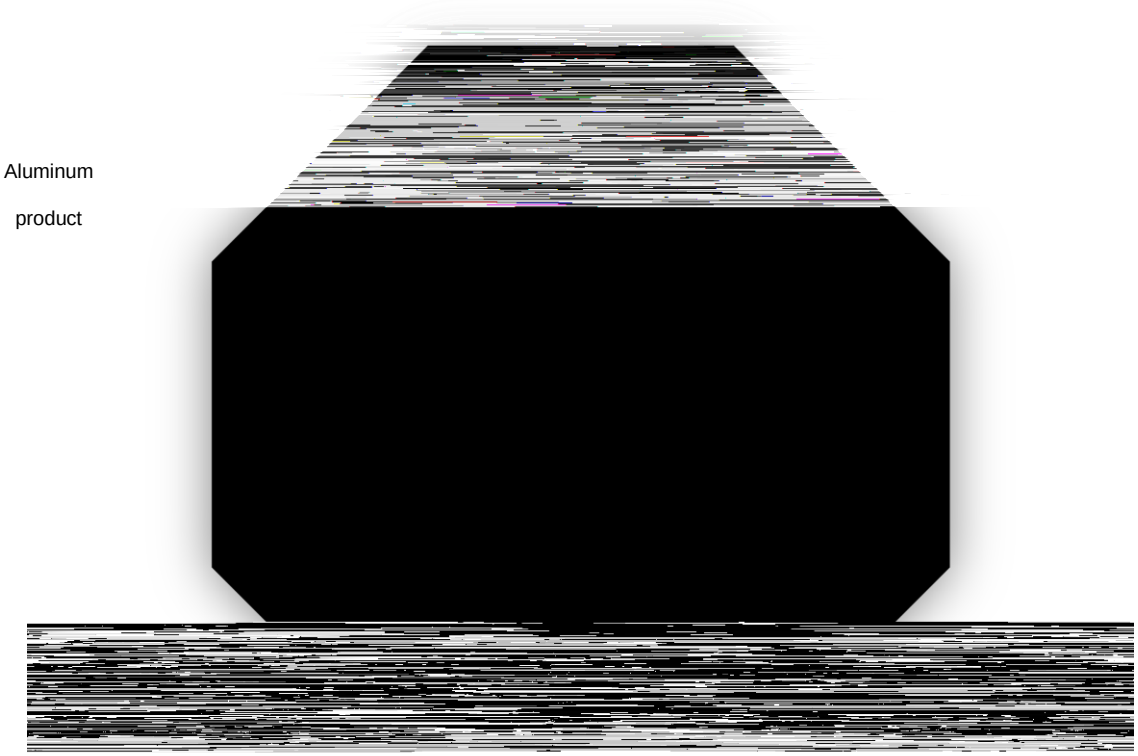
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	PP product	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spen[redacted] method ☐ Not [redacted]	40526.97	kg	Raw material	5.1969 $kgCO_2e/kg$	Ecoinvent 3.10 database	210.6151
	Purchased raw material	PTFE material	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	kg	Raw material acquisition record	[redacted]	Ecoinvent 3.10 database	21718.6158

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	PTFE product	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spen[illegible] method ☐ Not [illegible]	684.27	kg	Raw material	143.6500 $kgCO_2e/kg$	Ecoinvent 3.10 database	98.2954
	Purchased raw material	PVC material	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[illegible]	kg	Raw material acquisition record	[illegible]	Ecoinvent 3.10 database	2121.0542

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Propane	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average- method ☐ Spe method ☐ Not	546.00					



Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Aluminum product							



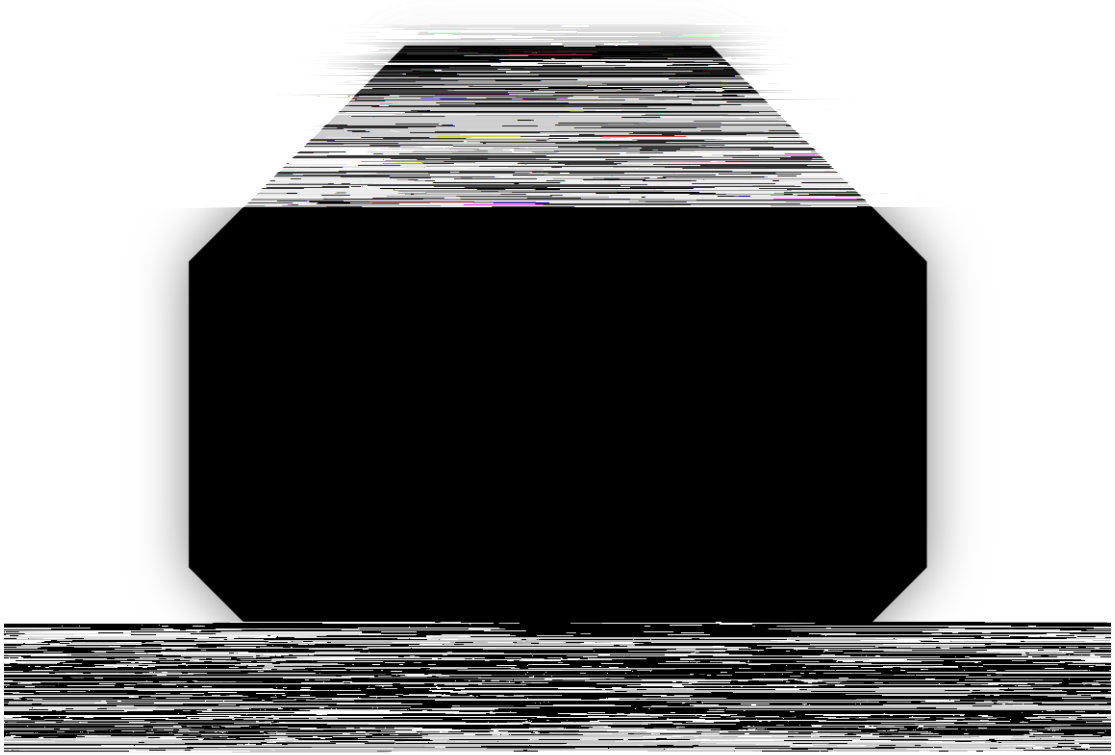
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Nitrogen gas	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spen[illegible] method ☐ Not [illegible]	15856.25	kg	Raw material	0.4471 $kgCO_2e/kg$	Ecoinvent 3.10 database	7.0891
	Purchased raw material	Galvanized steel strip	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[illegible]	kg	Raw material acquisition record	[illegible]	Ecoinvent 3.10 database	9321.1004

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Galvanized steel wire	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spen[redacted] method ☐ Not [redacted]	7849.85	kg	Raw material	2.9767 $kgCO_2e/kg$	Ecoinvent 3.10 database	23.3664
	Purchased raw material	Cable	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	kg	Raw material acquisition record	[redacted]	[redacted]nvent 3.10 database	64238.2961

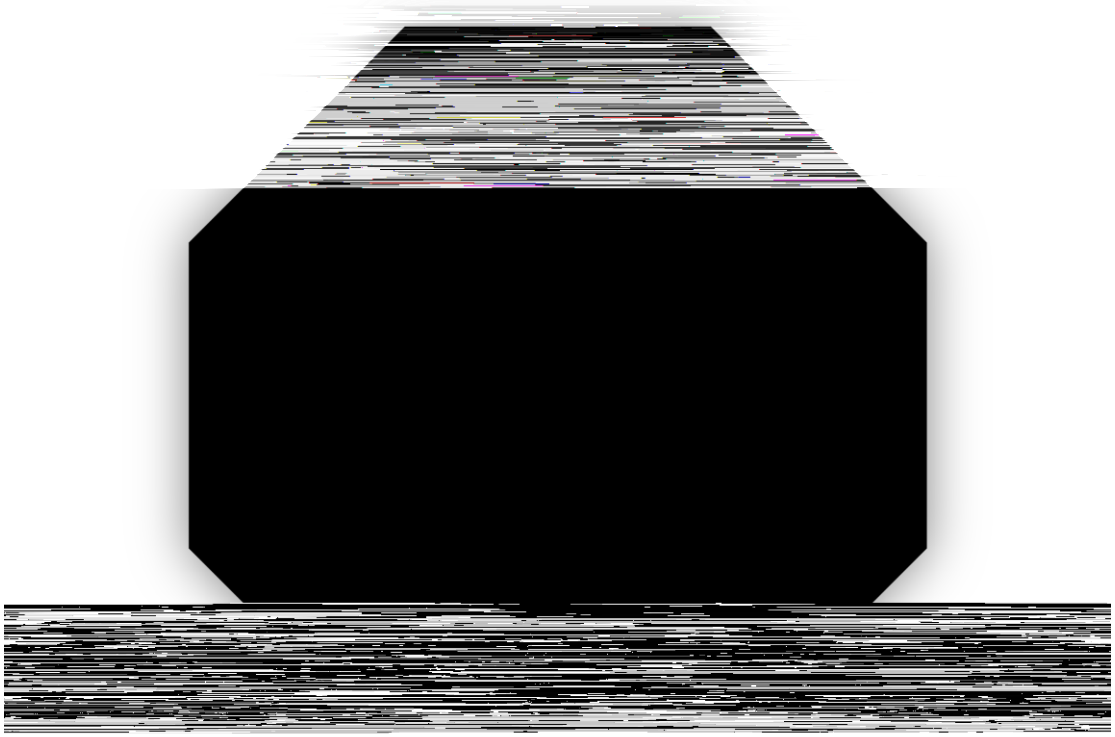
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Power supply	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spe[illegible] method ☐ Not [illegible]	825.00	kg	Raw material	14.2176 $kgCO_2e/kg$	Ecoinvent 3.10 database	11.7295
	Purchased raw material	R[illegible]ator	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[illegible]	kg	Raw material acquisition record	[illegible]	[illegible]nvent 3.10 database	34.7923

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Optical fiber	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spe[redacted] method ☐ Not [redacted]	4157.03	kg	Raw material [redacted]	9.5412 $kgCO_2e/kg$	Ecoinvent 3.10 database	39.6629
	Purchased raw material	Carbon dioxide	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	kg	Raw material acquisition record	[redacted] kgCO2e/kg	Ecoinvent 3.10 database	40.0224

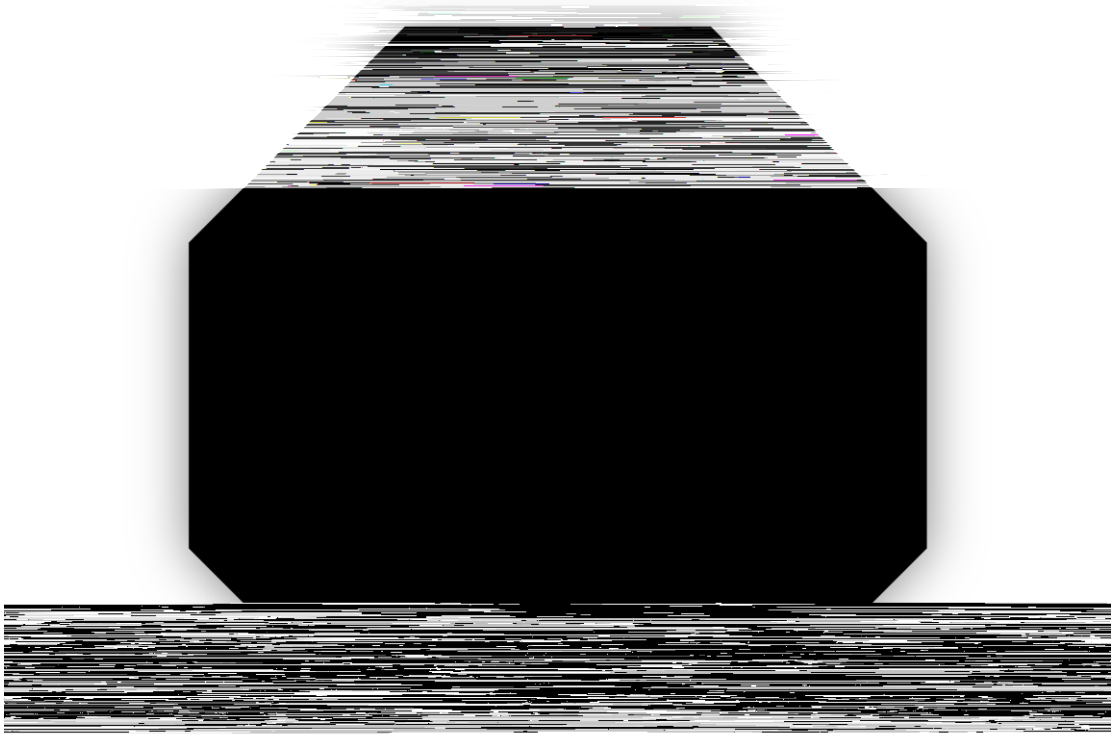
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass



Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Helium gas	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spe[illegible] method ☐ Not [illegible]	5421.00	kg	Raw material	6.1431 $kgCO_2e/kg$	Ecoinvent 3.10 database	33.3018
	Purchased raw material	Co[illegible]	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[illegible]	kg	Raw material acquisition record	[illegible]	[illegible]nvent 3.10 database	1019.5072



Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Brass product	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spen[redacted] method ☐ Not [redacted]	750478.21	kg	Raw material	9.1348 $kgCO_2e/kg$	Ecoinvent 3.10 database	6855.4566
	Purchased raw material	Brass stud	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	kg	Raw material acquisition record	[redacted]	[redacted]nvent 3.10 database	29.9878



Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Plywood	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spen[redacted] method ☐ Not [redacted]	1126963.00	kg	Raw material [redacted]	0.8998 $kgCO_2e/kg$	Ecoinvent 3.10 database	1014.0485
	Purchased raw material	Metal processing	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	kg	Raw material acquisition and [redacted]	[redacted]	[redacted]nvent 3.10 database	61.1840

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Poly olefin material	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spen[redacted] method ☐ Not [redacted]	1160.00	kg	Raw material	2.5188 $kgCO_2e/kg$	Ecoinvent 3.10 database	2.9218
	Purchased raw material	Aluminum alloy product	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	[redacted]	Raw material acquisition record	[redacted]	[redacted]nvent 3.10 database	36.2528

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Wood pallet	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spen[redacted] method ☐ Not [redacted]	3314660.00	kg	Raw material	0.3291 $kgCO_2e/kg$	Ecoinvent 3.10 database	1090.6983
	Purchased raw material	Nylon material	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	[redacted]	Raw material acquisition record	[redacted]	[redacted]nvent 3.10 database	0.9077

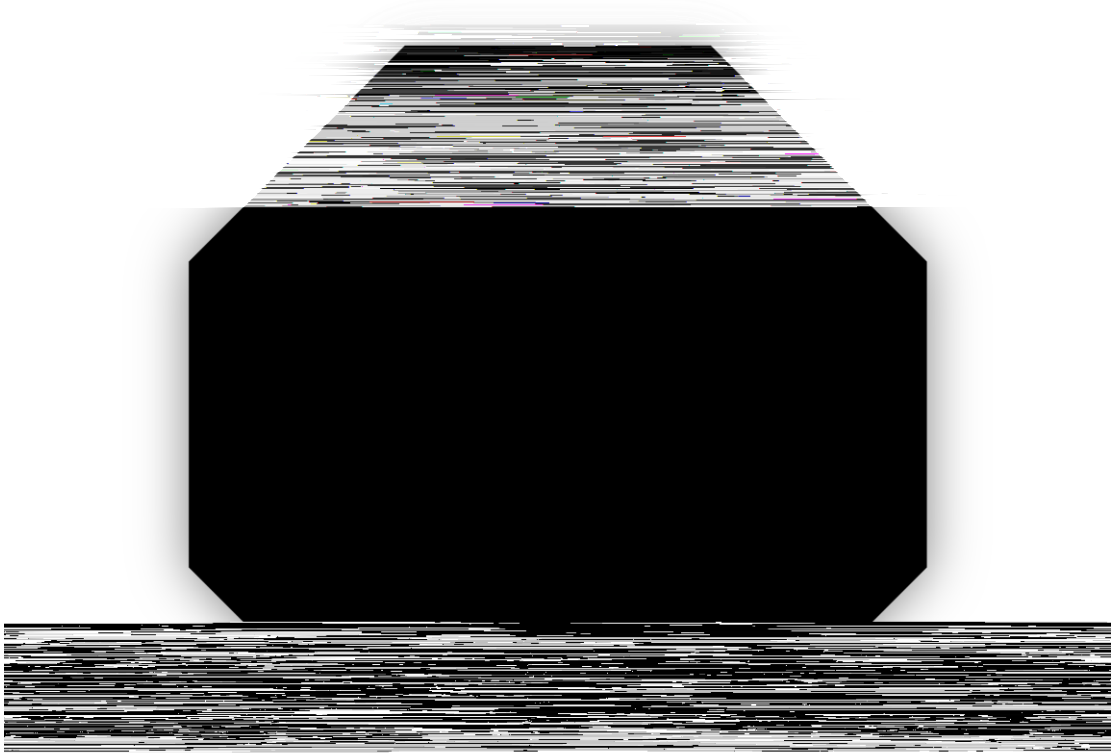
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Nylon product	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spe[redacted] method ☐ Not [redacted]	206.67	kg	Raw material acquisition record	8.8859 $kgCO_2e/kg$	Ecoinvent 3.10 database	1.8364
	Purchased raw material	Kraft paper	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	kg	Raw material acquisition record	[redacted]	Ecoinvent 3.10 database	473.3058

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Hot melt adhesive	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spe[illegible] method ☐ Not [illegible]	68000.00	kg	Raw material	3.4399 $kgCO_2e/kg$	Ecoinvent 3.10 database	233.9124
	Purchased raw material	Coated [illegible]	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[illegible]	kg	Raw material acquisition record	[illegible]	Ecoinvent 3.10 database	2.8580

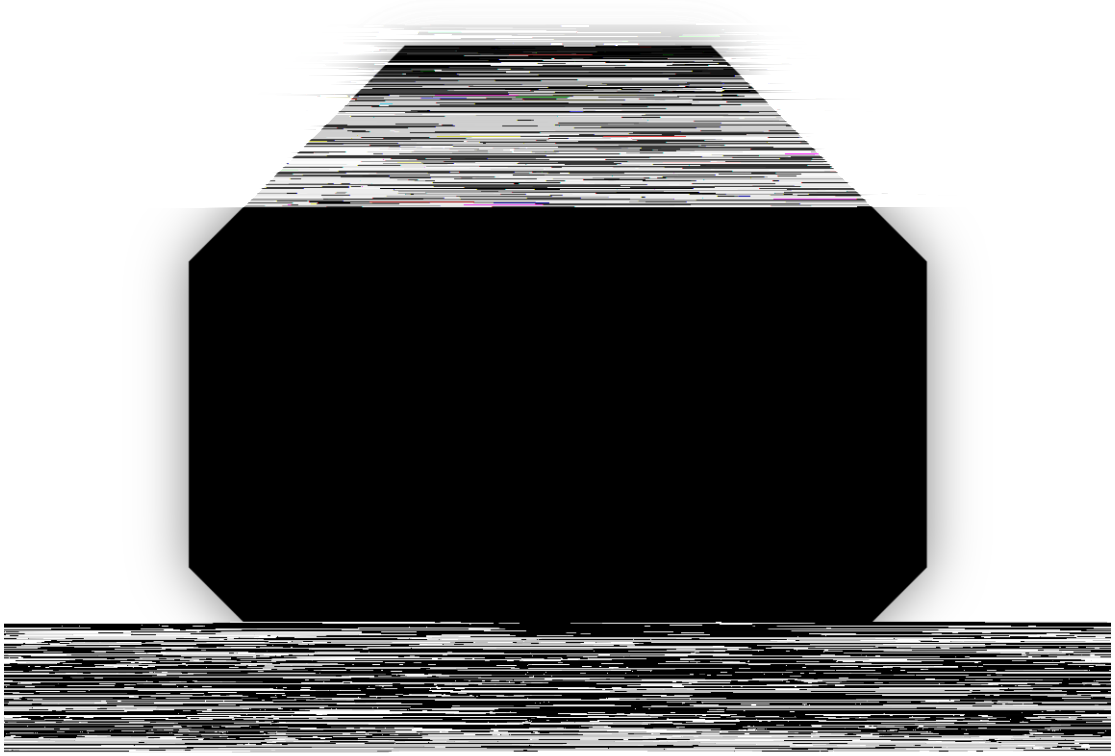
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Wood product	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spen[redacted] method ☐ Not [redacted]	610.00	kg	Raw material	0.1093 $kgCO_2e/kg$	Ecoinvent 3.10 database	0.0667
	Purchased raw material	Titanium alloy product	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	kg	Raw material acquisition record	[redacted]	Ecoinvent 3.10 database	439.1707

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Carbon steel strip	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spe[illegible] method ☐ Not [illegible]	4280.00	kg	Raw material	2.3472 $kgCO_2e/kg$	Ecoinvent 3.10 database	10.0459
	Purchased raw material	Carbon steel wire	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[illegible]	[illegible]	Raw material acquisition record	[illegible]	Ecoinvent 3.10 database	258.7444

Emission categories	



Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	



Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Corrugated board	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spec[redacted] method ☐ Not [redacted]	203175.50	kg	Raw material	1.2765 $kgCO_2e/kg$	Ecoinvent 3.10 database	259.3501
	Purchased raw material	Cable connector	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method	[redacted]					

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Passive electronic component	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spe[redacted] method ☐ Not [redacted]	140676.87	kg	Raw material [redacted]	63.7453 $kgCO_2e/kg$	Ecoinvent 3.10 database	8967.4962
	Purchased raw material	Solder material	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	kg	Raw material acquisition and [redacted]	[redacted]	Ecoinvent 3.10 database	1719.4494

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Rubber	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spen[illegible] method ☐ Not [illegible]	60.00	kg	Raw material	3.4168 $kgCO_2e/kg$	Ecoinvent 3.10 database	0.2050
	Purchased raw material	Argon gas	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[illegible]	kg	Raw material acquisition record	[illegible]	Ecoinvent 3.10 database	156.0685

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Zinc oxide	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spe[illegible] method ☐ Not [illegible]	44826.56	kg	Raw material [illegible]	0.7497 $kgCO_2e/kg$	Ecoinvent 3.10 database	33.6051
	Purchased raw material	Oxy[illegible]	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[illegible]	[illegible]	Raw material acquisition record	[illegible]	[illegible]nvent 3.10 database	0.1532

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Ethanol	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spe[redacted] method ☐ Not [redacted]	330.00	kg	Raw material	0.7000 $kgCO_2e/kg$	Ecoinvent 3.10 database	0.2310
	Purchased raw material	Acrylate	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	kg	Raw material acquisition record	[redacted] kgCO2e/kg	Ecoinvent 3.10 database	0.0762

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Isopropanol	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spe[redacted] method ☐ Not [redacted]	7240.00	kg	Raw material	3.3103 $kgCO_2e/kg$	Ecoinvent 3.10 database	23.9667
	Purchased raw material	Toluene	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	[redacted]	Raw material acquisition record	[redacted]	Ecoinvent 3.10 database	1.3155

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Active electronic component	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spe[illegible] method ☐ Not [illegible]	1178.40	kg	Raw material	1273.7223 $kgCO_2e/kg$	Ecoinvent 3.10 database	1500.9543
	Purchased raw material	Gloves	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[illegible]	kg	Raw material acquisition record	[illegible]	Ecoinvent 3.10 database	91.1655

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Paper product	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average- method ☐ Spe method ☐ Not Goods, capital g ☐ Supp method	1.00	kg	Raw material	0.9620 $kgCO_2e/kg$	Ecoinvent 3.10 database	0.0010
	Purchased raw material	Bamboo product	☐ Hybrid method						

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Copper-plastic product	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spen[illegible] method ☐ Not [illegible]	670.00	kg	Raw material	76.5347 $kgCO_2e/kg$	Ecoinvent 3.10 database	51.2782
	Purchased raw material	Anode copper material	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	3[illegible]	kg	Raw material acquisition record	0.5576 kgCO2e/kg	Ecoinvent 3.10 database	27.3481

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Anode copper product	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spen[redacted] method ☐ Not [redacted]	1515352.60	kg	Raw material	11.8994 $kgCO_2e/kg$	Ecoinvent 3.10 database	18031.7812
	Purchased raw material	Anode copper slab	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	kg	Raw material acquisition record	[redacted]	Ecoinvent 3.10 database	65677.7334

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Anode copper wire	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spen[redacted] method ☐ Not [redacted]	1862148.51	kg	Raw material	9.3533 $kgCO_2e/kg$	Ecoinvent 3.10 database	17417.2752
	Purchased raw material	Aluminum-plastic product	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	kg	Raw material acquisition record	[redacted]	Ecoinvent 3.10 database	3576.5329

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Indoor antenna	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[redacted] method ☐ Spe[redacted] method ☐ Not [redacted]	28799.48	kg	Raw material	5.4404 $kgCO_2e/kg$	Ecoinvent 3.10 database	156.6816
	Purchased raw material	Outdoor antenna	Goods, [redacted] capital g[redacted] ☐ Supp[redacted] method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	[redacted]	[redacted]	Raw material acquisition record	[redacted]	[redacted]nvent 3.10 database	0.0640

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Solid waste treatment	Cable treatment	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	305569.77	kg	2024 solid waste inventory record	0.9103 kgCO_2e/kg	Ecoinvent 3.10 database	278.1685
	Solid waste treatment	Steel recycle	Waste: ☐ Supp[illegible] method ☐ Was[illegible] method ☒ Average[illegible] method ☐ Not applicable				[illegible]CO_2e/kg	Ecoinvent 3.10 database	0.0000

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Solid waste treatment	Copper recycle	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[redacted] method ☐ Not [redacted]	460043.01	kg	2024 solid waste [redacted]			

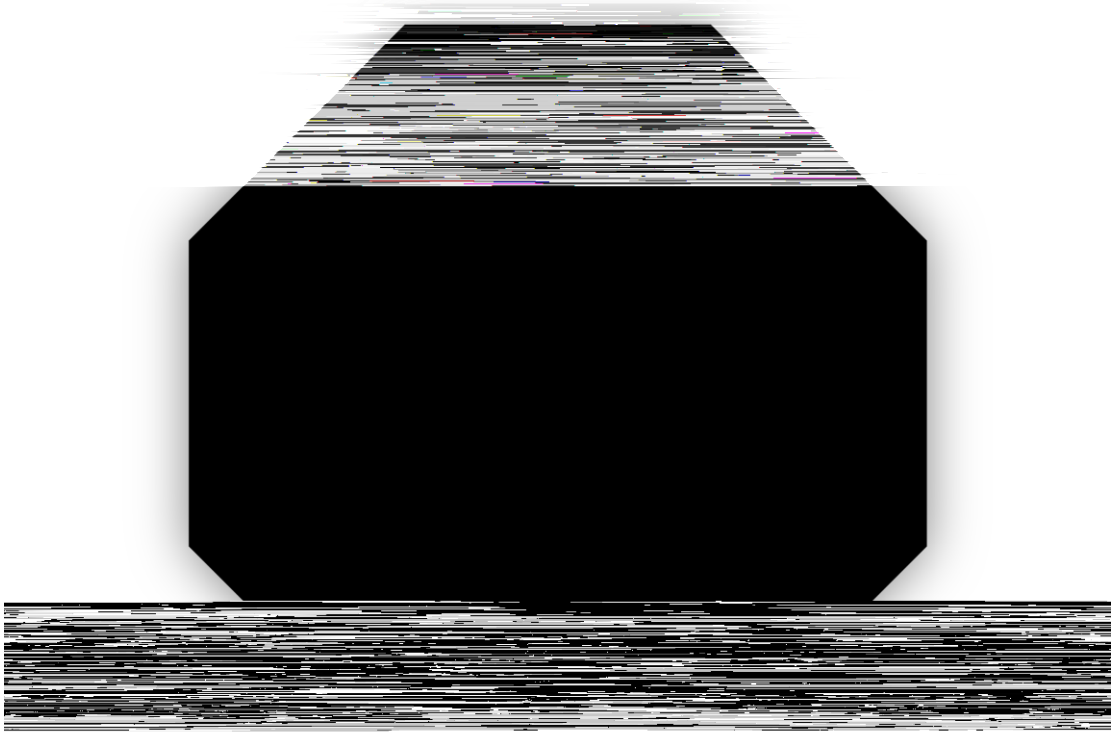
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Solid waste treatment	Equipment recycle	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	7340.00	kg	2024 solid waste inventory record	0.0000 $kgCO_2e/kg$	Ecoinvent 3.10 database	0.0000
	Solid waste treatment	Plastic recycle	Waste: ☐ Supp[illegible] method ☐ Was[illegible] method ☒ Average[illegible] method ☐ Not applicable	[illegible]	[illegible]	[illegible]	[illegible] gCO_2e/kg	Ecoinvent 3.10 database	[illegible]

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Solid waste treatment	Paper board recycle	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	51984.00	kg	2024 solid waste inventory record	0.0000 kgCO_2e/kg	Ecoinvent 3.10 database	0.0000
	Solid waste treatment	Wood recycle	Waste: ☐ Supp[illegible] method ☐ Was[illegible] method ☒ Average[illegible] method ☐ Not applicable				[illegible]CO_2e/kg	Ecoinvent 3.10 database	0.0000

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Hazardous waste treatment	Waste bucket treatment	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	3.95	t	2024 hazardous waste transfer joint order	2.5237 $kgCO_2e/kg$	Ecoinvent 3.10 database	9.9659
	Hazardous waste treatment	Saponified liquid treatment	Waste: ☐ Supp[illegible] method ☐ Was[illegible] method ☒ Average[illegible] method ☐ Not applicable				gCO_2e/kg	Ecoinvent 3.10 database	5.7539

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Hazardous waste treatment	Waste grease treatment	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	2.14	t	2024 hazardous waste transfer joint order	2.5237 kgCO_2e/kg	Ecoinvent 3.10 database	5.4006
	Hazardous waste treatment	Waste activated carbon treatment	Waste: ☐ Supp[illegible] method ☐ Was[illegible] method ☒ Average[illegible] method ☐ Not applicable	[illegible]	[illegible]	[illegible]	[illegible]CO_2e/kg	Ecoinvent 3.10 database	11.2303

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Wastewater treatment	Wastewater treatment	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	15232.73	m^3	Water balance schematic	0.2921 $kgCO_2e/m^3$	Ecoinvent 3.10 database	4.4493
	Diesel	Diesel upstream	Goods, [illegible] capital g[illegible] ☐ Supp[illegible] method ☐ Hybr[illegible] ☒ Average[illegible] method ☐ Spend-based method ☐ Not applicable				[illegible]gCO_2e/kg	Ecoinvent 3.10 database	12.8027



Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
Category 5: indirect GHG emissions associated with the use of products from the organization	Product disposal	Waste ABS	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[redacted] method ☐ Not [redacted]	640.00	kg	Raw material acquisition record	2.3799 kgCO_2e/kg	Ecoinvent 3.10 database	1.5232
	Product disposal	Waste PP	Waste: ☐ Supp[redacted] method ☐ Was[redacted] method ☒ Average[redacted] method ☐ Not applicable	[redacted]	[redacted]	[redacted]	[redacted]CO_2e/kg	Ecoinvent 3.10 database	144.4671

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Product disposal	Waste rubber	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	30.00	kg	Raw material acquisition record	3.1577 kgCO_2e/kg	Ecoinvent 3.10 database	0.0947
	Product disposal	Other waste plastics	Waste: ☐ Supp[illegible] method ☐ Was[illegible] method ☒ Average[illegible] method ☐ Not applicable				gCO_2e/kg	Ecoinvent 3.10 database	23669.4469

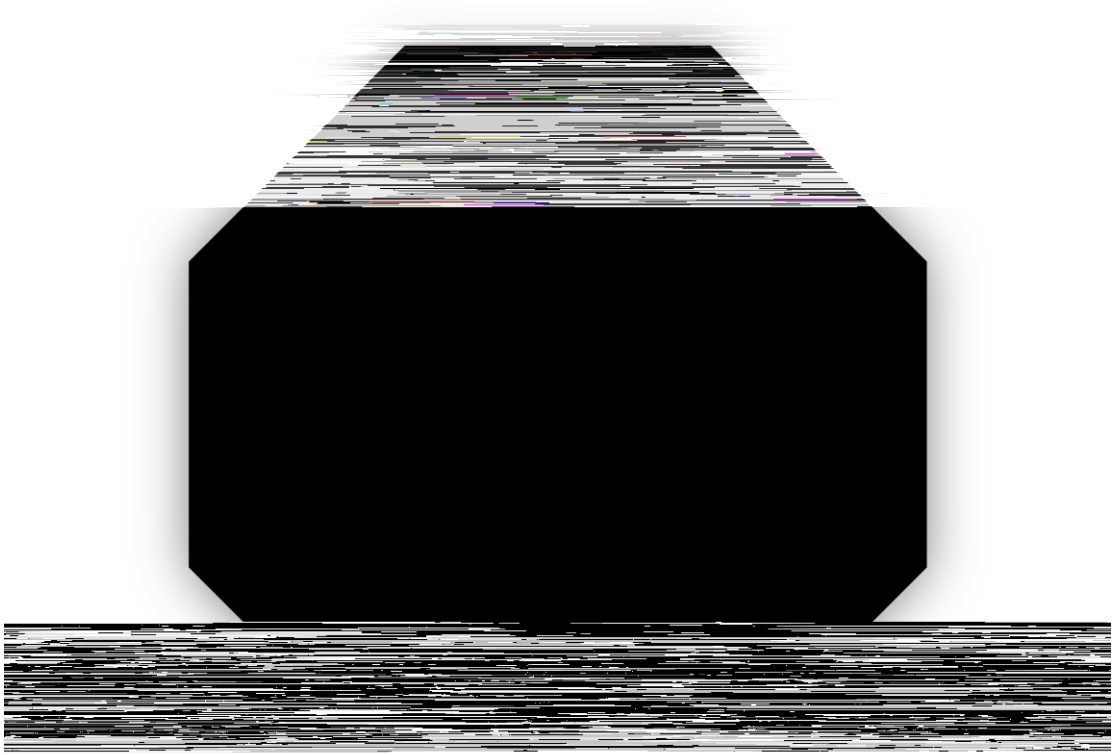
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Product disposal	Waste electronic component	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	743444.20	kg	Raw material acquisition record	1.0655 kgCO_2e/kg	Ecoinvent 3.10 database	792.1635
	Product disposal	Waste wood	Waste: ☐ Supp[illegible] method ☐ Was[illegible] method ☒ Average[illegible] method ☐ Not applicable	[illegible]	[illegible]	[illegible]	[illegible]CO_2e/kg	Ecoinvent 3.10 database	34.6067

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Product disposal	Waste paper	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	695172.90	kg	Raw material acquisition record	0.0335 kgCO_2e/kg	Ecoinvent 3.10 database	23.2878
	Product disposal	Waste cable	Waste: ☐ Supp[illegible] method ☐ Was[illegible] method ☒ Average[illegible] method ☐ Not applicable	[illegible]	[illegible]	[illegible]	[illegible] CO_2e/kg	Ecoinvent 3.10 database	9308.2946

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Product disposal	Waste steel	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	1802998.94	kg	Raw material acquisition record	0.0186 kgCO_2e/kg	Ecoinvent 3.10 database	33.5421
	Product disposal	Waste aluminum	Waste: ☐ Supp[illegible] method ☐ Was[illegible] method ☒ Average[illegible] method ☐ Not applicable				[illegible]CO_2e/kg	Ecoinvent 3.10 database	13.4936

Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Product disposal	Waste copper	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	4709416.68	kg	Raw material acquisition record	0.0234 kgCO_2e/kg	Ecoinvent 3.10 database	110.1286
	Product disposal	Other waste metal	Waste: ☐ Supp[illegible] method ☐ Was[illegible] method ☒ Average[illegible] method ☐ Not applicable	[illegible]	[illegible]	[illegible]	[illegible]CO_2e/kg	Ecoinvent 3.10 database	11.1524

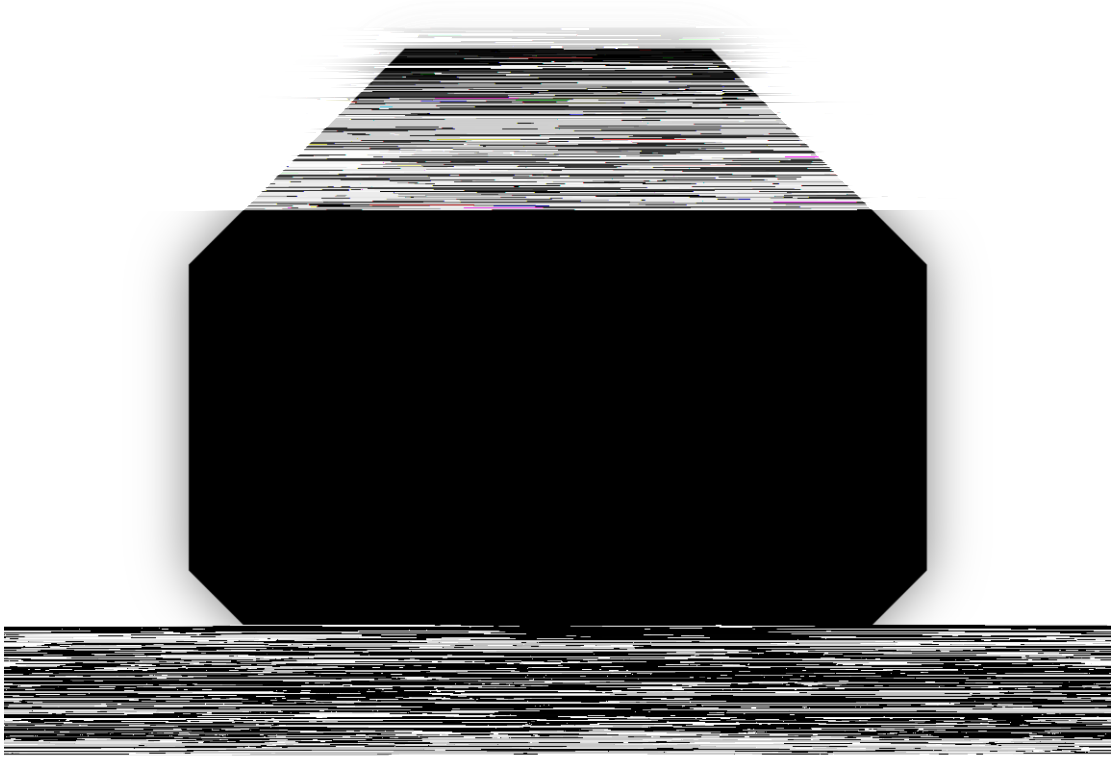
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Product disposal	Metal-plastic mixed waste	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	1197705.98	kg	Raw material acquisition record	0.5189 $kgCO_2e/kg$	Ecoinvent 3.10 database	621.5466
	Product disposal	Other waste	Waste: ☐ Supp[illegible] method ☐ Was[illegible] method ☒ Average[illegible] method ☐ Not applicable				gCO_2e/kg	Ecoinvent 3.10 database	122.4228



Global warming potential

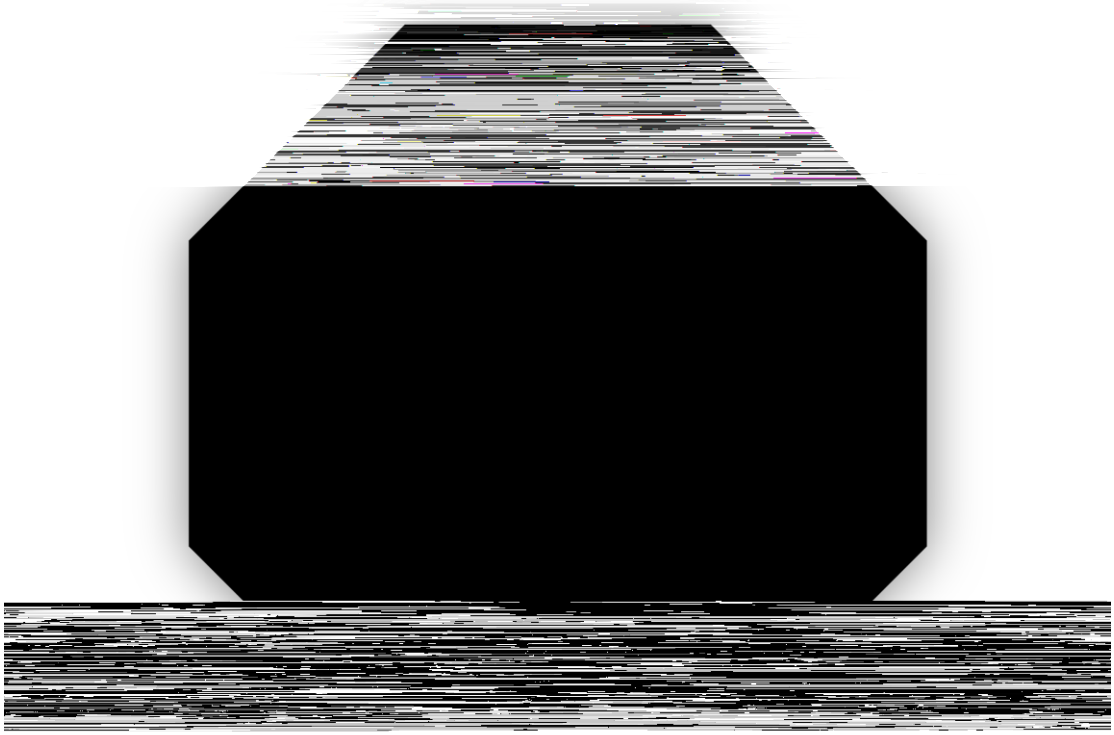
The global warming potentials of direct and indirect greenhouse gases emitted by the enterprise were taken from the IPCC sixth assessment report, which meet the requirements of the guidelines. The specific values are as follows:

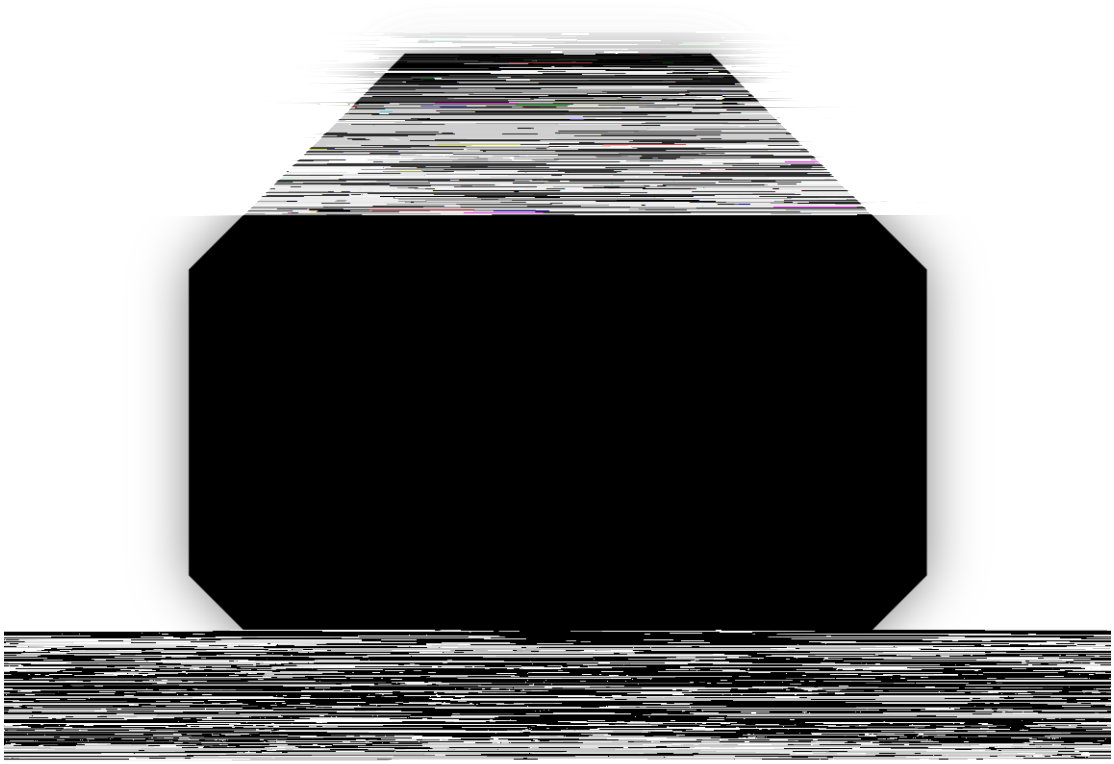
Gas name	Types of greenhouse gases involved in the verification process	Global warming potential
Carbon dioxide	CO_2	1
Methane	CH_4	27.9
Nitrous oxide	N_2O	273



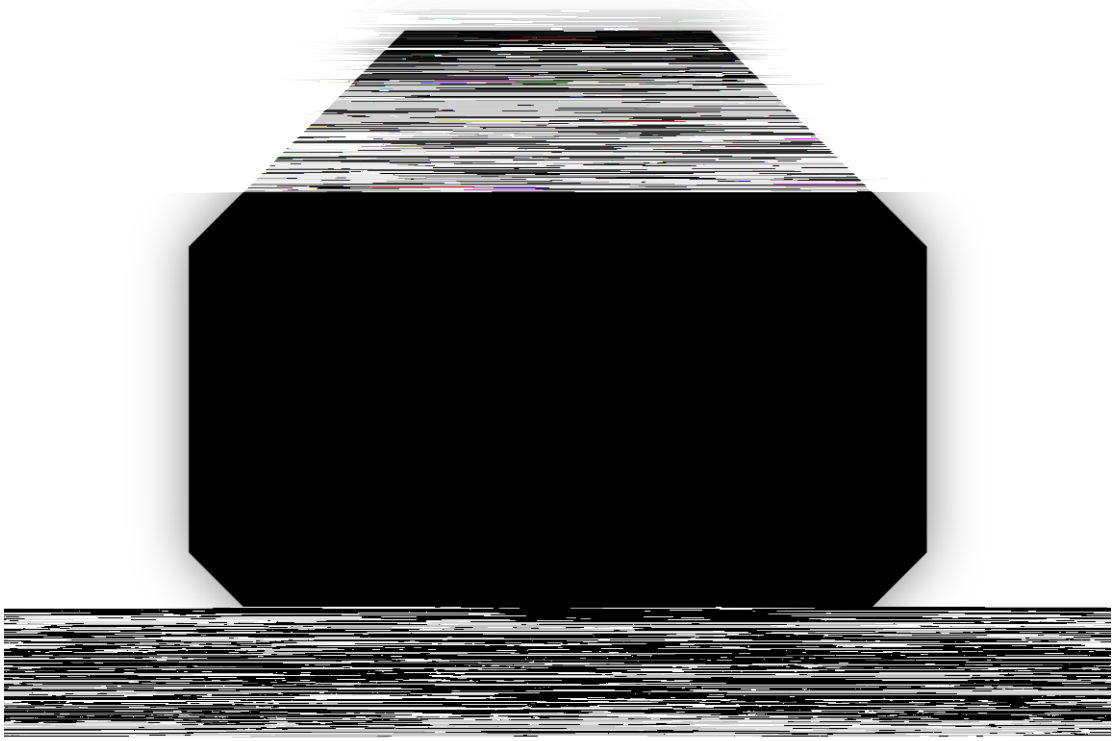
Anthropogenic biogenic CO_2 emissions	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Anthropogenic biogenic other GHG emissions	64.8893	0.0000	0.0000	0.0000	0.0000	0.0000	64.8893
Total	195.3576	7483.0827	23451.2019	432536.2641	35545.1321	0.0000	499211.0385

GHG emission analysis	
Analysis of emissions of different categories of emission sources	· Among the emission categories, anode copper strip is the largest emission category, accounting for about 13.16%. · To fulfil corporate social responsibility and reduce the organization's carbon emissions, it is recommended to find green supplier and [illegible]ign.
Analysis on emissions of different greenhouse gas emission categories	[illegible]gest emission [illegible] mainly from [illegible], mainly from
Uncertainty analysis	The uncertainty assessment of data needs to consider three aspects: activity data category, emission factor grade and instrument calibration grade. The average value is calculated according to the assignment of activity data classification, emission factor grade and instrument calibration grade, and then multiplied by the percentage of each emission source, and then the overall uncertainty score is obtained by summing. 1）Activity data is divided into three categories according to the collection category, and assigned a score of 1, 3, and 6 respectively 2）Emission factor categories and grades are divided into six categories according to the source of collection, and assigned scores of 6, 5, 4, 3, 2 and 1 respectively. For details, see Table 3-8. 3）The calibration level of the instrument is assigned a score of 6, 3 and 1 according to the calibration situation. 4）The data level is divided into five levels, the higher the level, the better the data quality

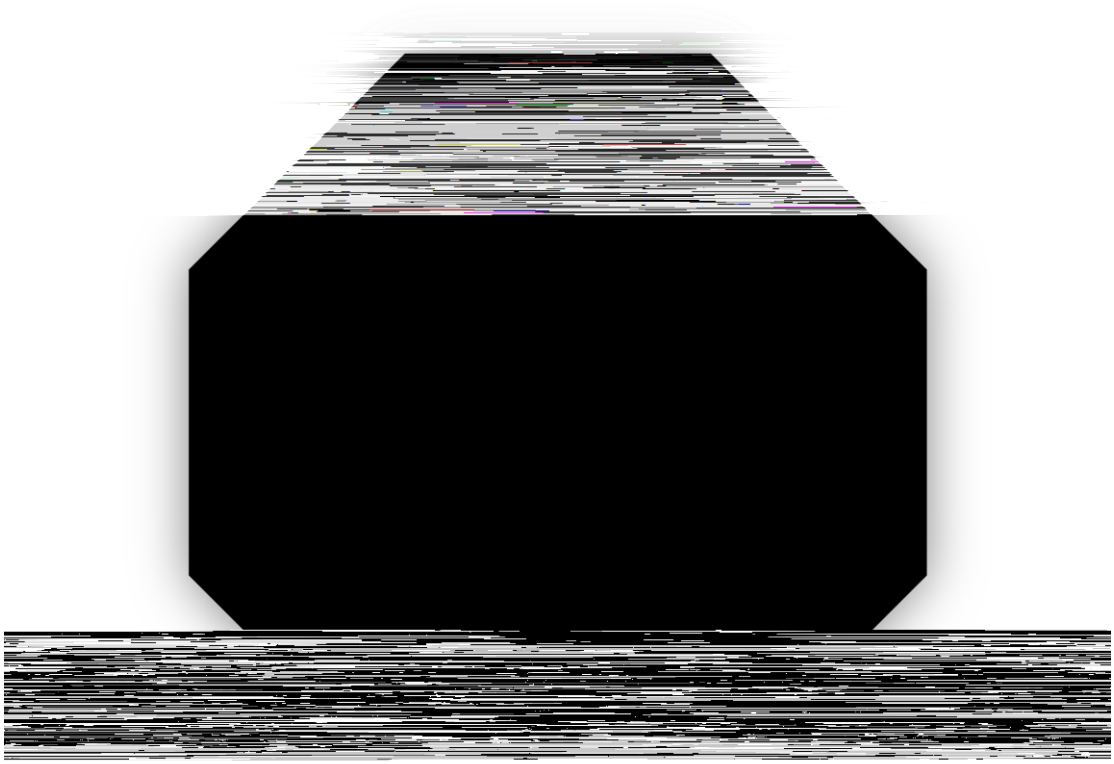


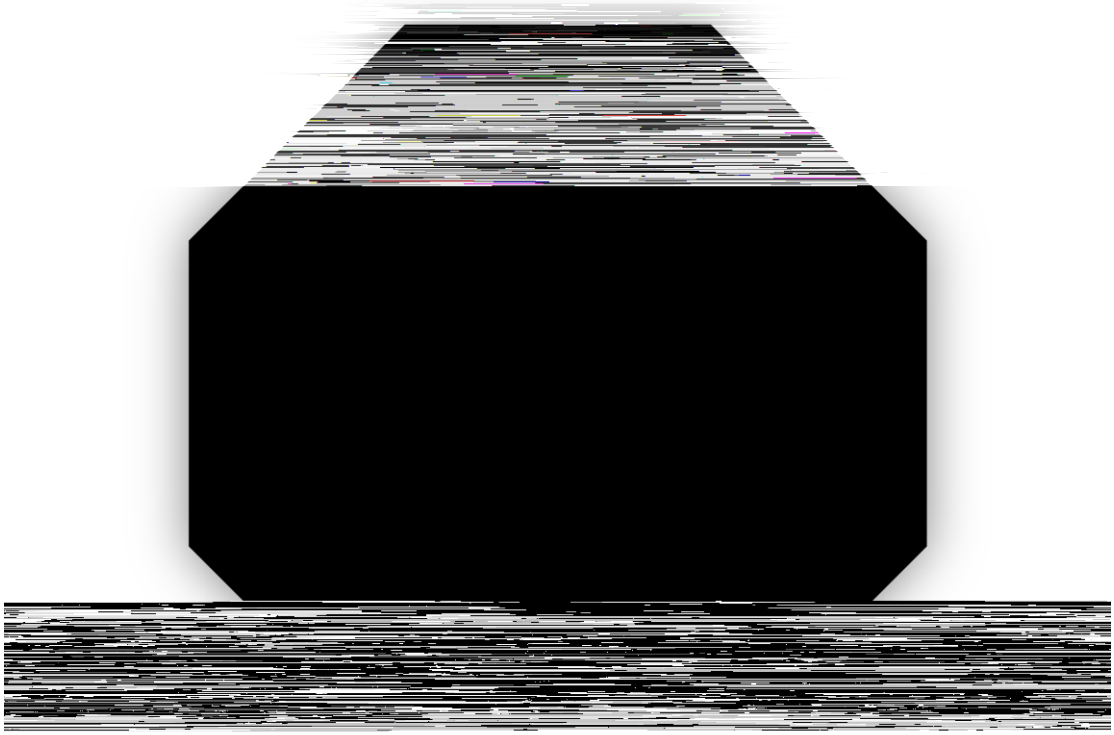


No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
14	Employee commuting vehicle	Outsourcing vehicle	1	1	3	1.67	162.0829	0.03%	0.0005
15	Employee commuting electric vehicle	Outsourcing electric vehicle	1	1	3	1.67	68.6778	0.01%	0.0002
16	Employee commuting electric bike	Outsourcing electric	1	1	3	1.67	6.5222	0.00%	0.0000
17	Employee taxi traveling							00%	0.0000
18	Employee plane traveling							00%	0.0001
19	Employee rail traveling	Rail traveling	3	1	3	2.33	9.7753	0.00%	0.0000
20	Employee subway traveling	Subway traveling	3	1	3	2.33	0.000012	0.00%	0.0000
21	Employee bus traveling	Bus traveling	3	1	3	2.33	0.0324	0.00%	0.0000
22	Upstream material transportation	Upstream material road transportation <3.5t	3	1	3	2.33	1393.3173	0.28%	0.0065



No.	Emission categories	Facilities	Activity



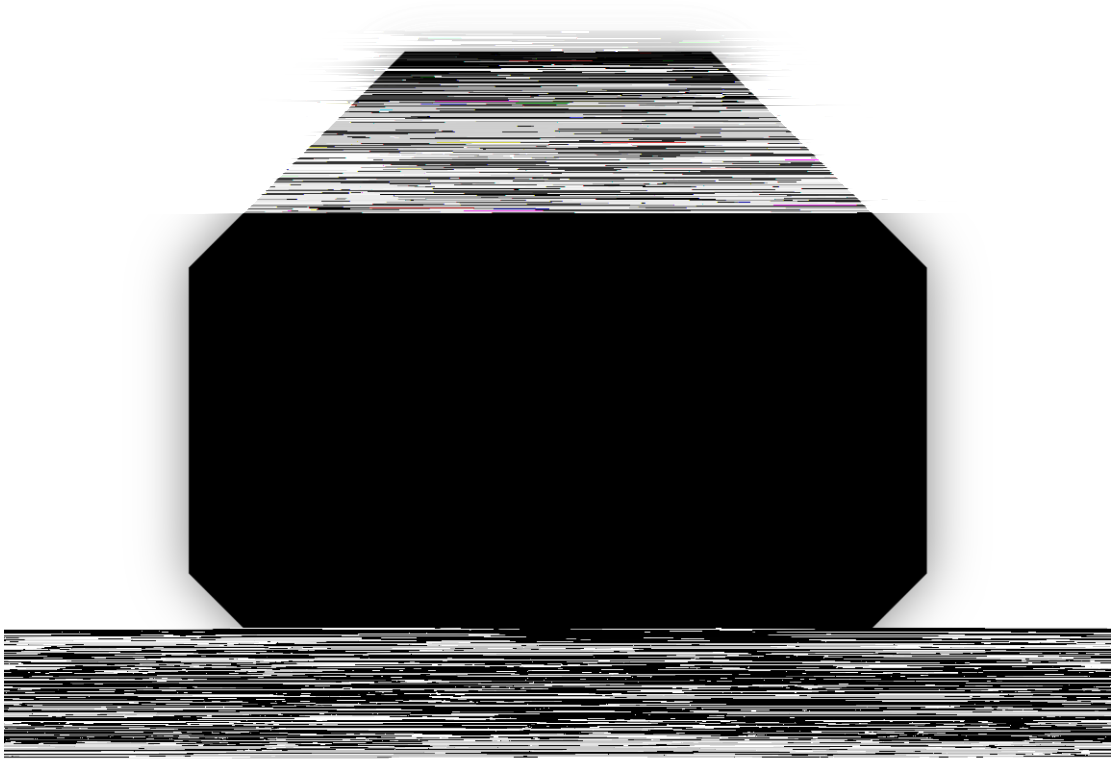


No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
53	Purchased raw material	PET product	3	1	3	2.33	364.9446	0.07%	0.0017
54	Purchased raw material	PE film	3	1	3	2.33	540.4540	0.11%	0.0025
55	Purchased raw material	PFA material	3	1	3	2.33	17.8742	0.00%	0.0001
56	Purchased raw material	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	07%	0.0250
57	Purchased raw material	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	07%	0.0017
58	Purchased raw material	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	00%	0.0000
59	Purchased raw material	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	Purchased raw material	PTFE material	3	1	3	2.33	21718.6158	4.35%	0.1014
61	Purchased raw material	PTFE product	3	1	3	2.33	98.2954	0.02%	0.0005
62	Purchased raw material	PVC material	3	1	3	2.33	2121.0542	0.42%	0.0099
63	Purchased raw material	Propane	3	1	3	2.33	0.5913	0.00%	0.0000

No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
64	Purchased raw material	Glass fiber material	3	1	3	2.33	9.0274	0.00%	0.0000
65	Purchased raw material	Stainless steel wire	3	1	3	2.33	10.0112	0.00%	0.0000
66	Purchased raw material	Stainless steel product	3	1	3	2.33	42951.1381	8.60%	0.2005
67	Purchased raw material	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	01%	0.0002
68	Purchased raw material	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35%	0.1946
69	Purchased raw material	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	00%	0.0000
70	Purchased raw material	Galvanized steel strip	3	1	3	2.33	[illegible]	1.87%	0.0435
71	Purchased raw material	Galvanized steel wire	3	1	3	2.33	23.3664	0.00%	0.0001
72	Purchased raw material	Cable	3	1	3	2.33	64238.2961	12.87%	0.2998
73	Purchased raw material	Power supply	3	1	3	2.33	11.7295	0.00%	0.0001
74	Purchased raw material	Resistor	3	1	3	2.33	34.7923	0.01%	0.0002

No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
75	Purchased raw material	Optical fiber	3	1	3	2.33	39.6629	0.01%	0.0002
76	Purchased raw material	Carbon dioxide	3	1	3	2.33	40.0224	0.01%	0.0002
77	Purchased raw material	Silicone product	3	1	3	2.33	0.7106	0.00%	0.0000
78	Purchased raw material	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	00%	0.0000
79	Purchased raw material	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	01%	0.0002
80	Purchased raw material	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	20%	0.0048
81	Purchased raw material	Chemicals	3	1	3	2.33	7.7005	0.00%	0.0000
82	Purchased raw material	Brass material	3	1	3	2.33	0.0163	0.00%	0.0000
83	Purchased raw material	Brass product	3	1	3	2.33	6855.4566	1.37%	0.0320
84									

No.	Emission categories	Facilities	Activity data

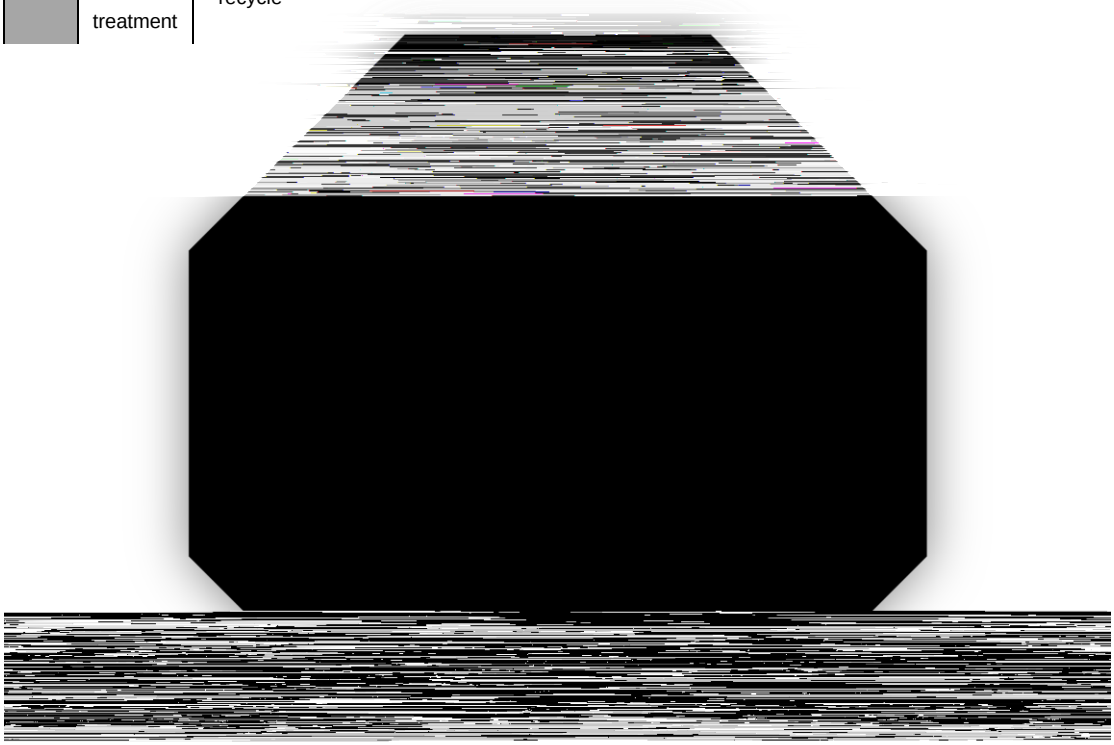


No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
97	Purchased raw material	Wood product	3	1	3	2.33	0.0667	0.00%	0.0000
98	Purchased raw material	Titanium alloy product	3	1	3	2.33	439.1707	0.09%	0.0020
99	Purchased	[redacted]							

No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
107	Purchased raw material	Passive electronic component	3	1	3	2.33	8967.4962	1.80%	0.0419
108	Purchased raw material	Solder material	3	1	3	2.33	1719.4494	0.34%	0.0080
109	Purchased raw material	Rubber	3	1	3	2.33	0.2050	0.00%	0.0000
110	Purchased raw material	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	03%	0.0007
111	Purchased raw material	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	01%	0.0002
112	Purchased raw material	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	00%	0.0000
113	Purchased raw material	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
114	Purchased raw material	Acetylene	3	1	3	2.33	0.0762	0.00%	0.0000
115	Purchased raw material	Isopropanol	3	1	3	2.33	23.9667	0.00%	0.0001
116	Purchased raw material	Toner ink	3	1	3	2.33	1.3155	0.00%	0.0000
117	Purchased raw material	Active electronic component	3	1	3	2.33	1500.9543	0.30%	0.0070

No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
118	Purchased raw material	Grease	3	1	3	2.33	91.1655	0.02%	0.0004
119	Purchased raw material	Paper product	3	1	3	2.33	0.0010	0.00%	0.0000
120	Purchased raw material	Bamboo product	3	1	3	2.33	64.4002	0.01%	0.0003
121	Purchased raw material	C						01%	0.0002
122	Purchased raw material							01%	0.0001
123	Purchased raw material							61%	0.0842
124	Purchased raw material	Anode copper strip	3	1	3	2.33	[illegible]	13.16%	0.3066
125	Purchased raw material	Anode copper wire	3	1	3	2.33	17417.2752	3.49%	0.0813
126	Purchased raw material	Aluminum-plastic product	3	1	3	2.33	3576.5329	0.72%	0.0167
127	Purchased raw material	Indoor antenna	3	1	3	2.33	156.6816	0.03%	0.0007
128	Purchased raw material	Outdoor antenna	3	1	3	2.33	0.0640	0.00%	0.0000

No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
129	Solid waste treatment	Cable treatment	3	1	3	2.33	278.1685	0.06%	0.0013
130	Solid waste treatment	Steel recycle	3	1	3	2.33	0.0000	0.00%	0.0000



No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
140	Hazardous waste treatment	Waste activated carbon treatment	3	1	3	2.33	11.2303	0.00%	0.0001
141	Wastewater treatment	Wastewater treatment	3	1	3	2.33	4.4493	0.00%	0.0000
142	Diesel	Diesel upstream	3	1	3	2.33	12.8027	0.00%	0.0001
143	Imported electricity	Electricity upstream production	3	2	3	2.67	1374.5736	0.28%	0.0074
144	Imported electricity	Electricity transmission and distribution loss	3	2	3	2.67	462.5893	0.09%	0.0025
145	Imported electricity	Photovoltaic electricity	3	2	3	2.67	203.6972	0.04%	0.0011
146	Product disposal	Waste ABS	3	1	3	2.33	1.5232	0.00%	0.0000
147	Product disposal	Waste PP	3	1	3	2.33	144.4671	0.03%	0.0007
148	Product disposal	Waste rubber	3	1	3	2.33	0.0947	0.00%	0.0000
149	Product disposal	Other waste plastics	3	1	3	2.33	23669.4469	4.74%	0.1105
150	Product disposal	Waste electronic component	3	1	3	2.33	792.1635	0.16%	0.0037
151	Product disposal	Waste wood	3	1	3	2.33	34.6067	0.01%	0.0002

No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
152	Product disposal	Waste paper	3	1	3	2.33	23.2878	0.00%	0.0001
153	Product disposal	Waste cable	3	1	3	2.33	9308.2946	1.86%	0.0434
154	Product disposal	Waste steel	3	1	3	2.33	33.5421	0.01%	0.0002
155	Product disposal	Waste aluminum	3	1	3	2.33	13.4936	0.00%	0.0001
156	Product disposal	Waste copper	3	1	3	2.33	110.1286	0.02%	0.0005
157	Product disposal	Other waste metal	3	1	3	2.33	11.1524	0.00%	0.0001
158	Product disposal	Metal-plastic mixed waste	3	1	3	2.33	621.5466	0.12%	0.0029
159	Product disposal	Other waste	3	1	3	2.33	122.4228	0.02%	0.0006
160	Product disposal transportation	Waste transportation	3	1	3	2.33	658.9617	0.13%	0.0031
	Total	/	/	/	/	/	499211.0385	100.00%	2.3233
	Weighted total								**2.32**
	Weighted level								**4**

uncertainty analysis	- Three factors, namely activity level data, emission factor and correction level, were evaluated. - Activity level data with low accuracy level include employee commuting, septic tank and other data. The responsible party should obtain activity level data by measured method as far as possible to improve data accuracy under the condition of technical feasibility and reasonable cost. - The lower level of accuracy of emission factor data is the data from purchased raw material, solid waste treatment, upstream & downstream material transportation, product disposal and other data. It is suggested that the responsible party adopt the detection method for characteristic emission factors to obtain a higher level of data accuracy. - Responsible parties are advised to incorporate calibration of monitoring equipment involving carbon activity level data

Material discrepancy
After verification, the total greenhouse gas emissions of the responsible party at the organizational level in 2024-01-01~2024-12-31 were 499211.0385 tCO_2e, and the emissions reported by the greenhouse gas inventory were 499211.0385 tCO_2e. Therefore, the material deviation claimed by the responsible party is within the material threshold of verification.

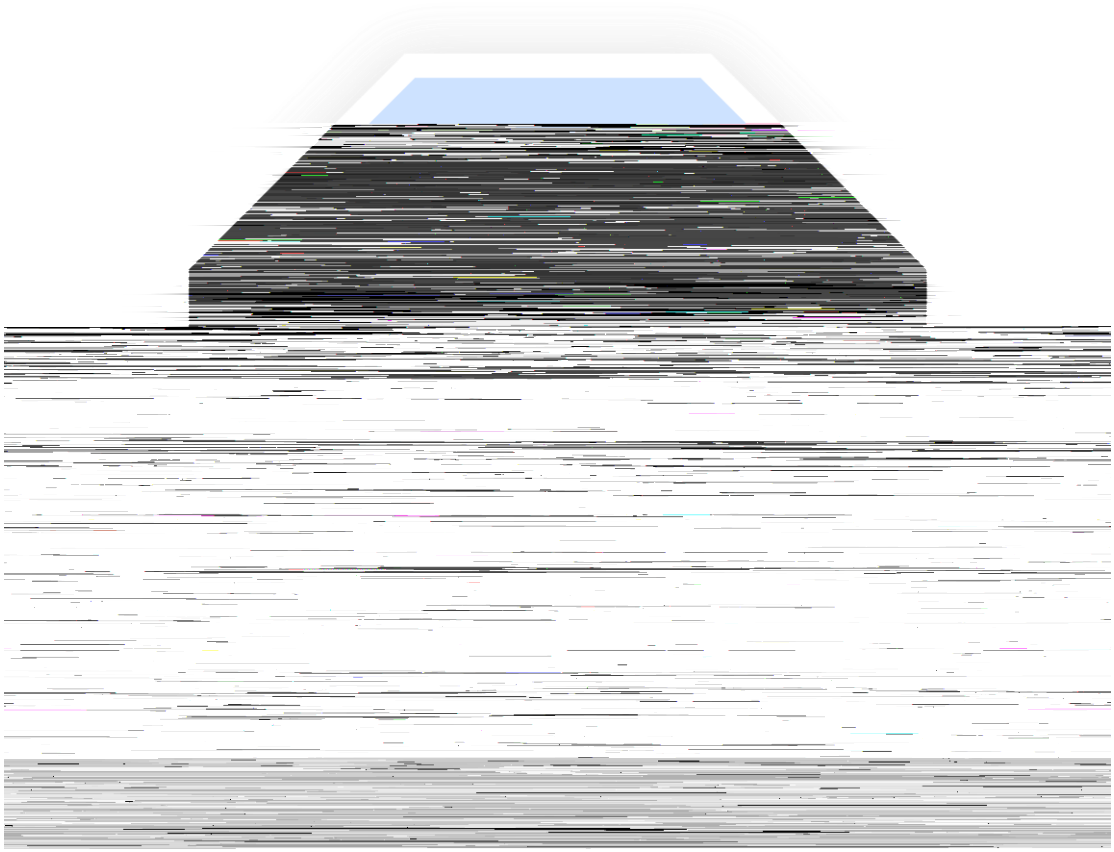
3.3. Assessment of changes from prior period

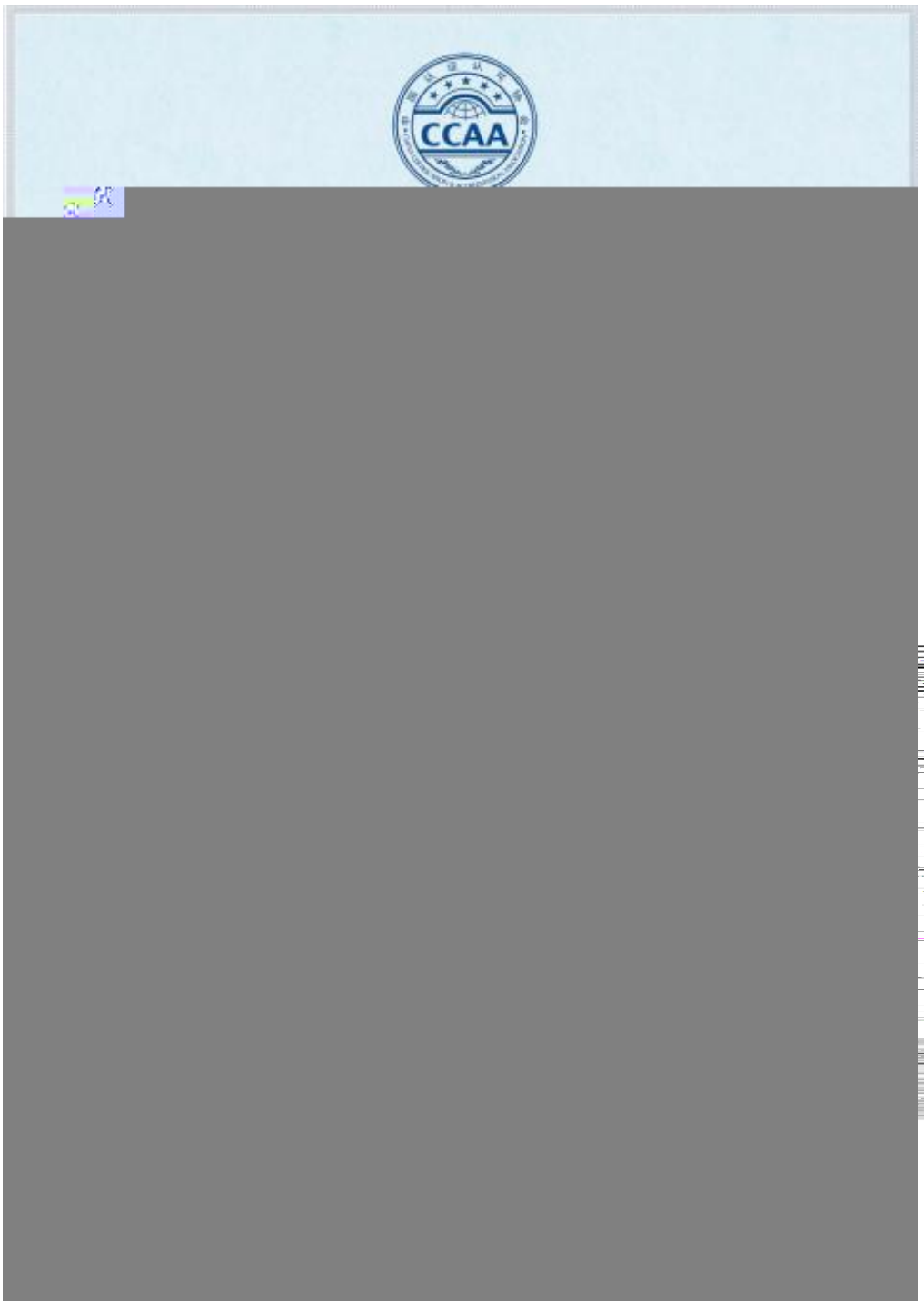
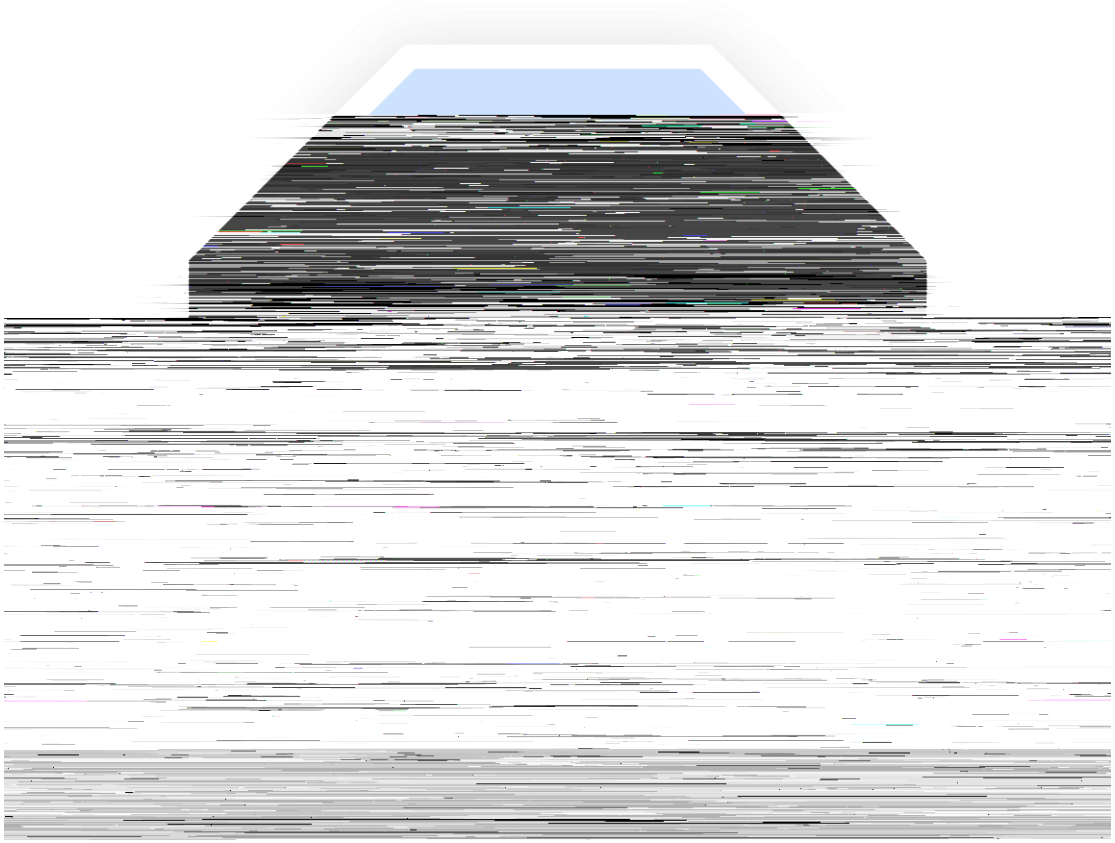
The reporting boundary in 2023 from the responsible party is category 1 and category 2, and the organizational boundary in 2023 from the responsible party is No 105 Qixin Road, Economic & Technological Development Zone, Nantong, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA. The reporting boundary in 2024 from the responsible party is category 1-6, and the organizational boundary in 2024 from the responsible party is No 105 Qixin Road, Economic & Technological Development Zone, Nantong, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA, No 1 Tianchi Road, Hekou Town, Rudong, Nantong, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA, Second Floor of Office Building 3, Zhongtian Industrial Park, Hekou Town, Rudong, Nantong, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA. As both the reporting boundary and organizational boundary were changed in 2024, the base year was adjusted to 2024-01-01~2024-12-31.

4. References

1) ISO 14064-1:2018 *Greenhouse gases — Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals*

2)



Verification team qualifications:

Team leader Johny Wang: