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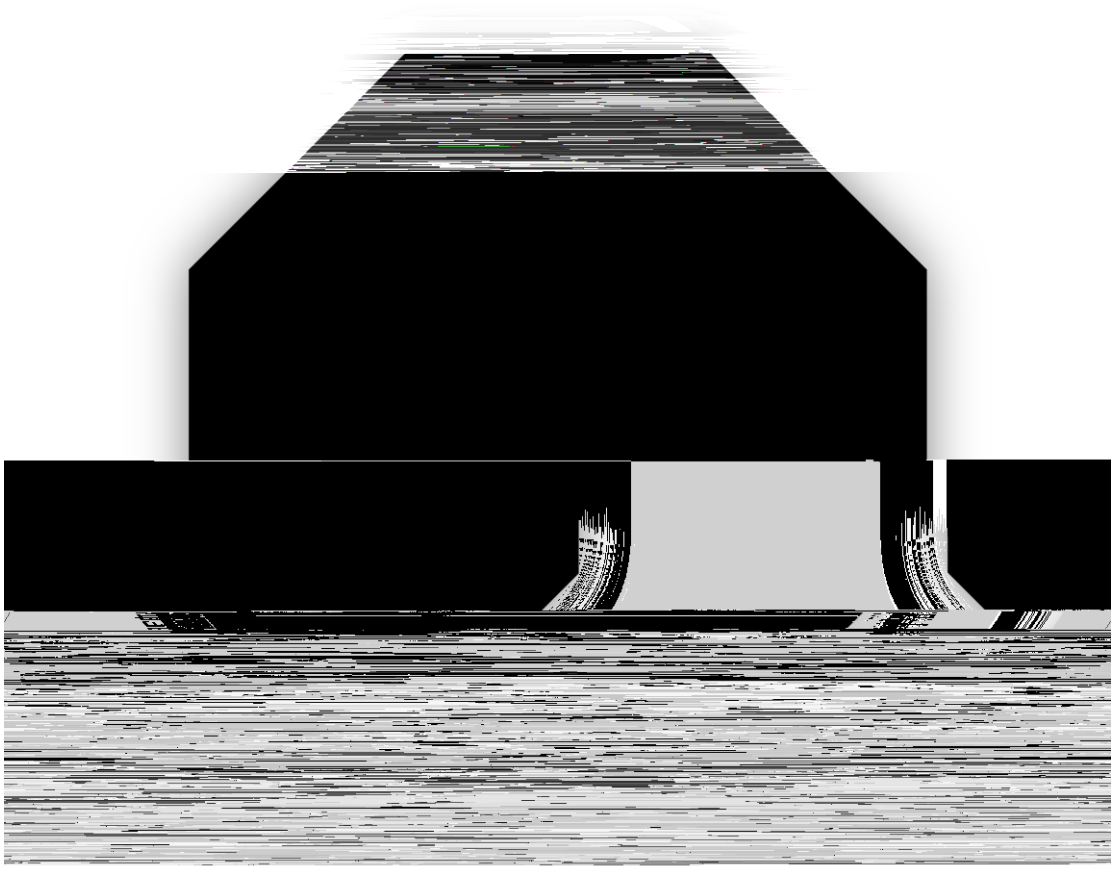
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Verification summary

Client ..... :



	☒ 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 that the organization's ndaries meet the med data and jor discrepancy.
Verification c	of an opinion
Leader of verification team.....:	Johny Wang
Other personnel (observers, interns/trainees, external assessors, etc.).....:	Observers: / Interns / trainees: / External auditors: /

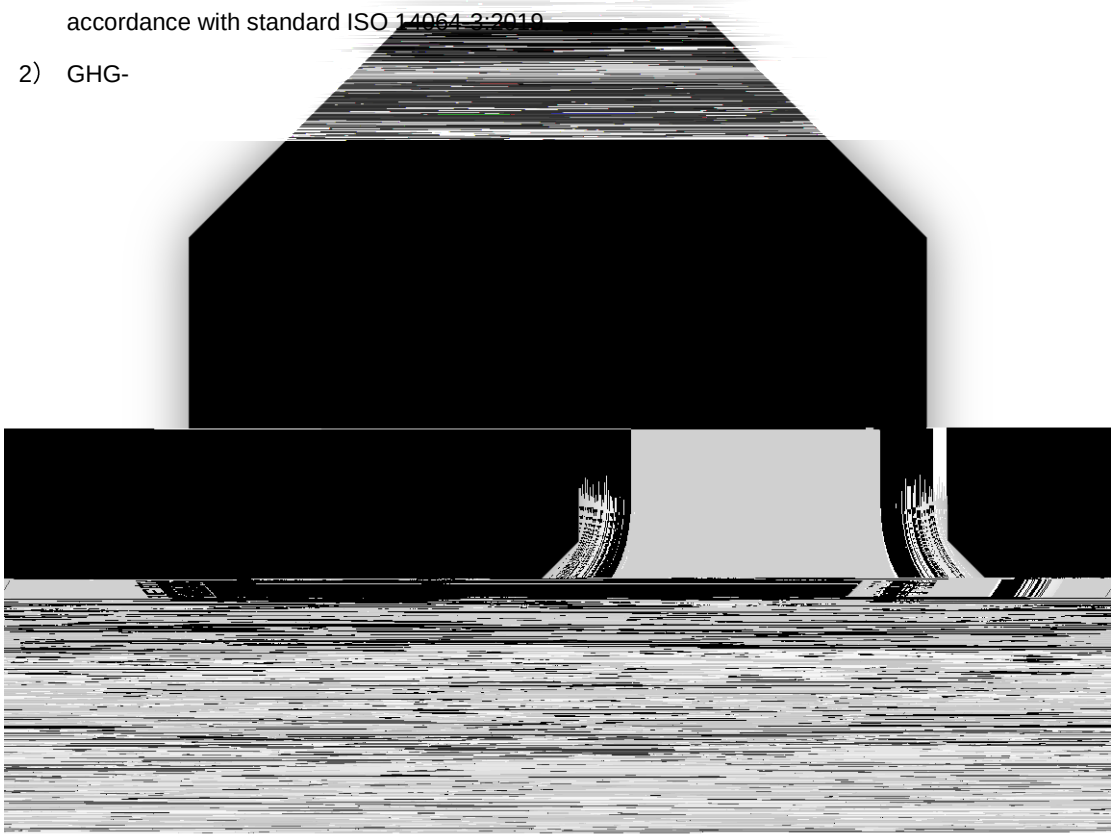
1. Summary

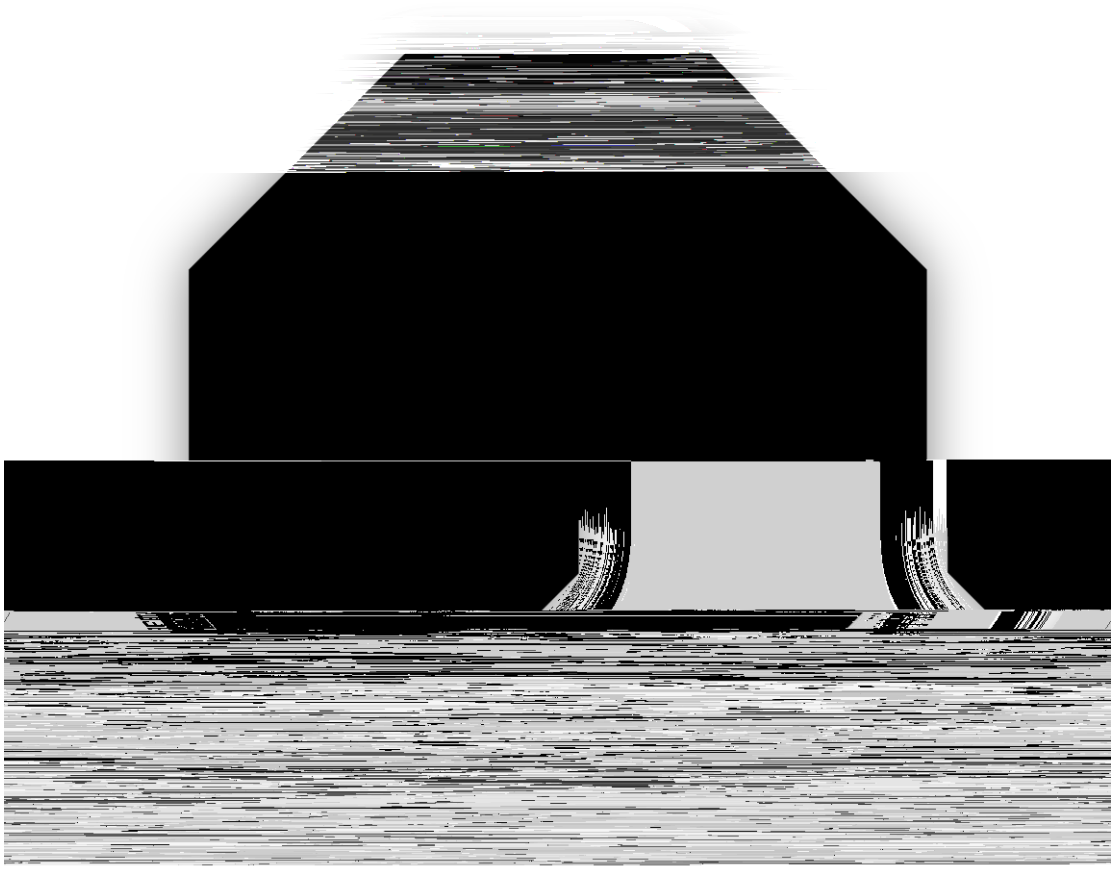
Background
TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch (hereinafter referred to as TÜV SÜD) was commissioned by Zhongtian Radio Frequency Cable Co., Ltd. to verify GHG emission. Between 2025-02-17~2025-05-12, TÜV SÜD auditor Johny Wang and Tony Sun conducted the carbon verification 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

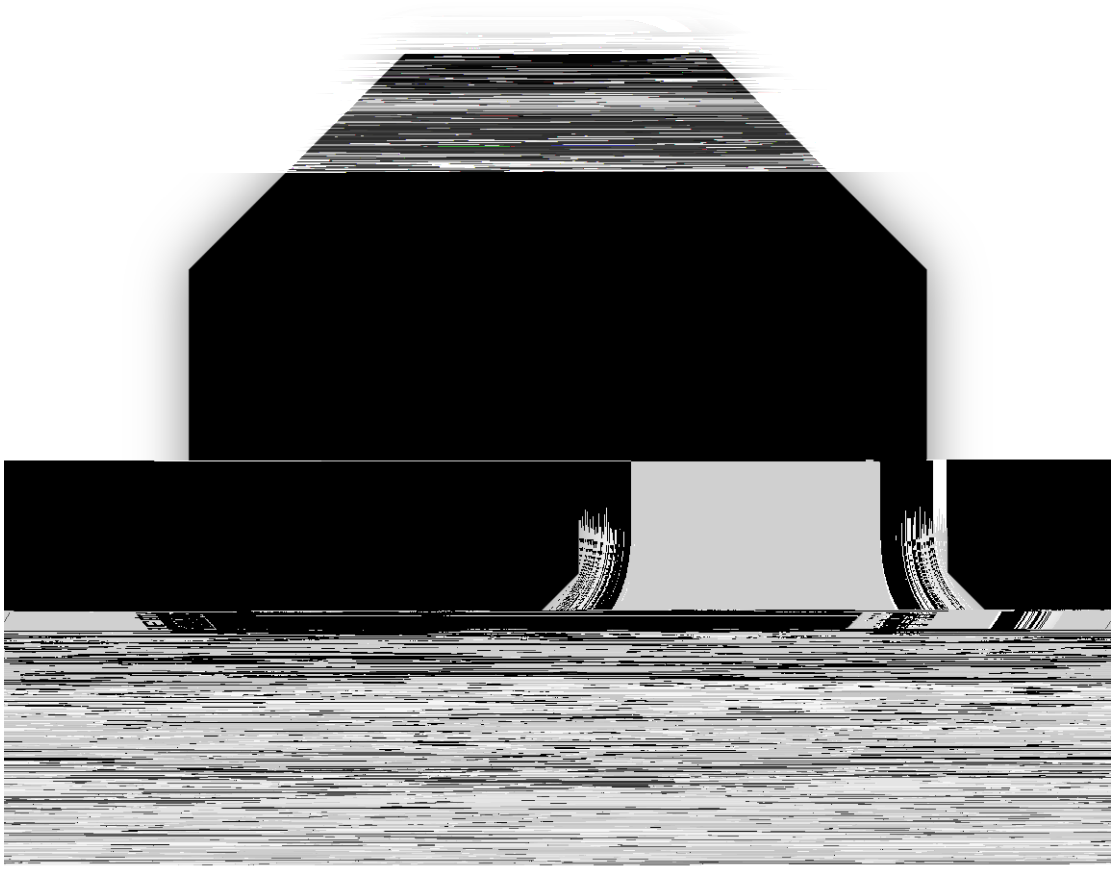
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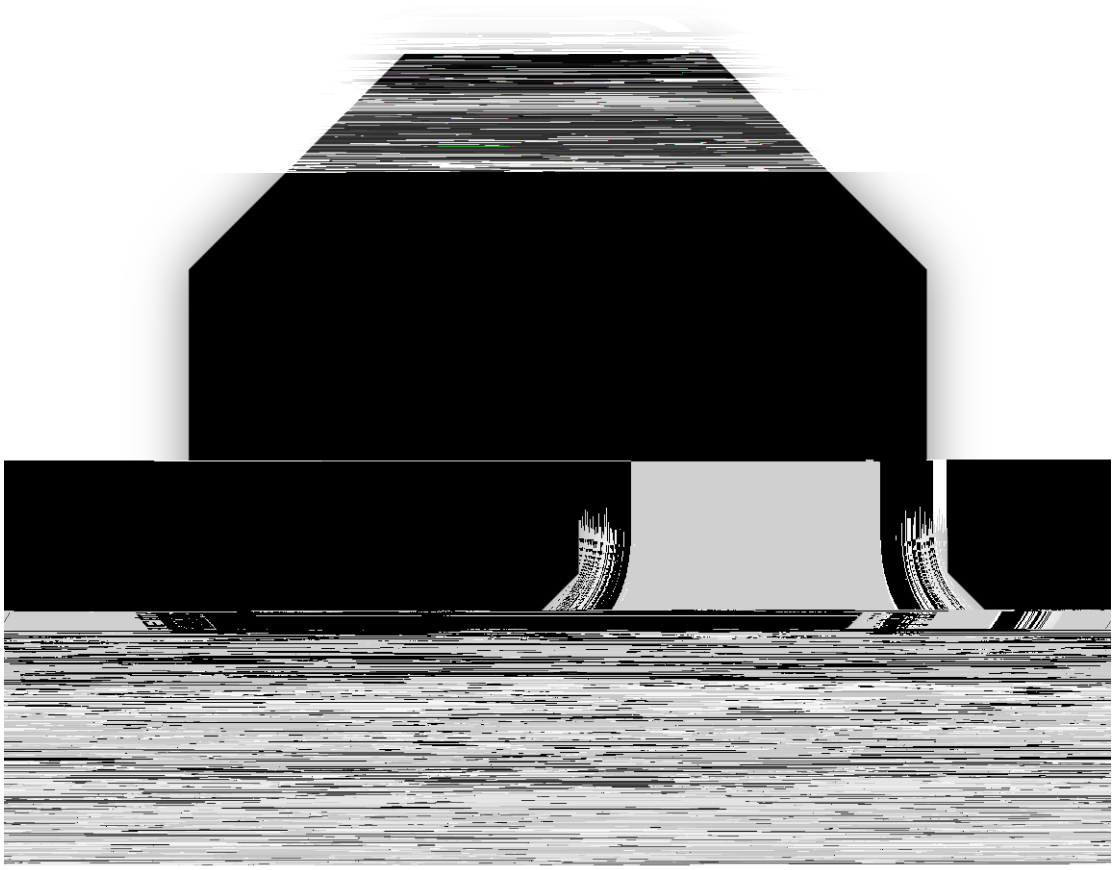


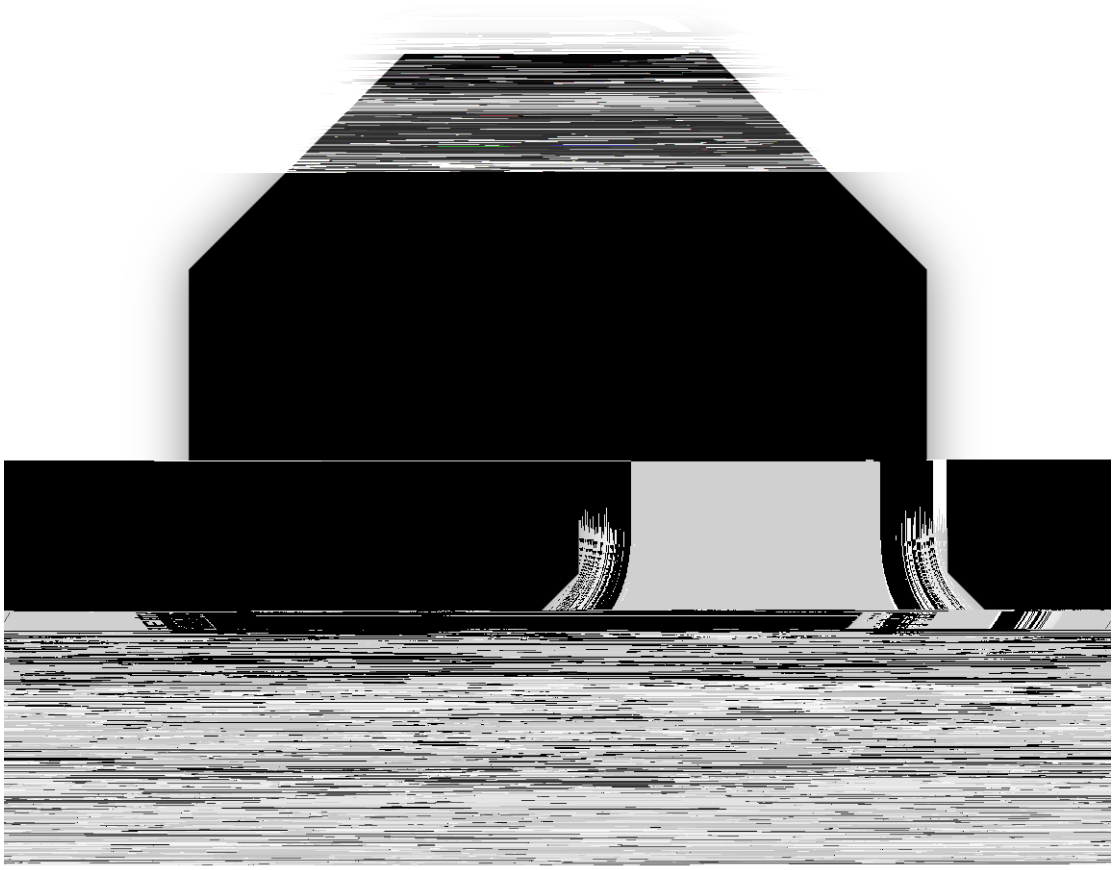
our commitment to the society and employees' health, safety and environment, and adhere to the resource-saving and environment-friendly road.
Responsible Party Greenhouse Gas Claim (Self-declaration)

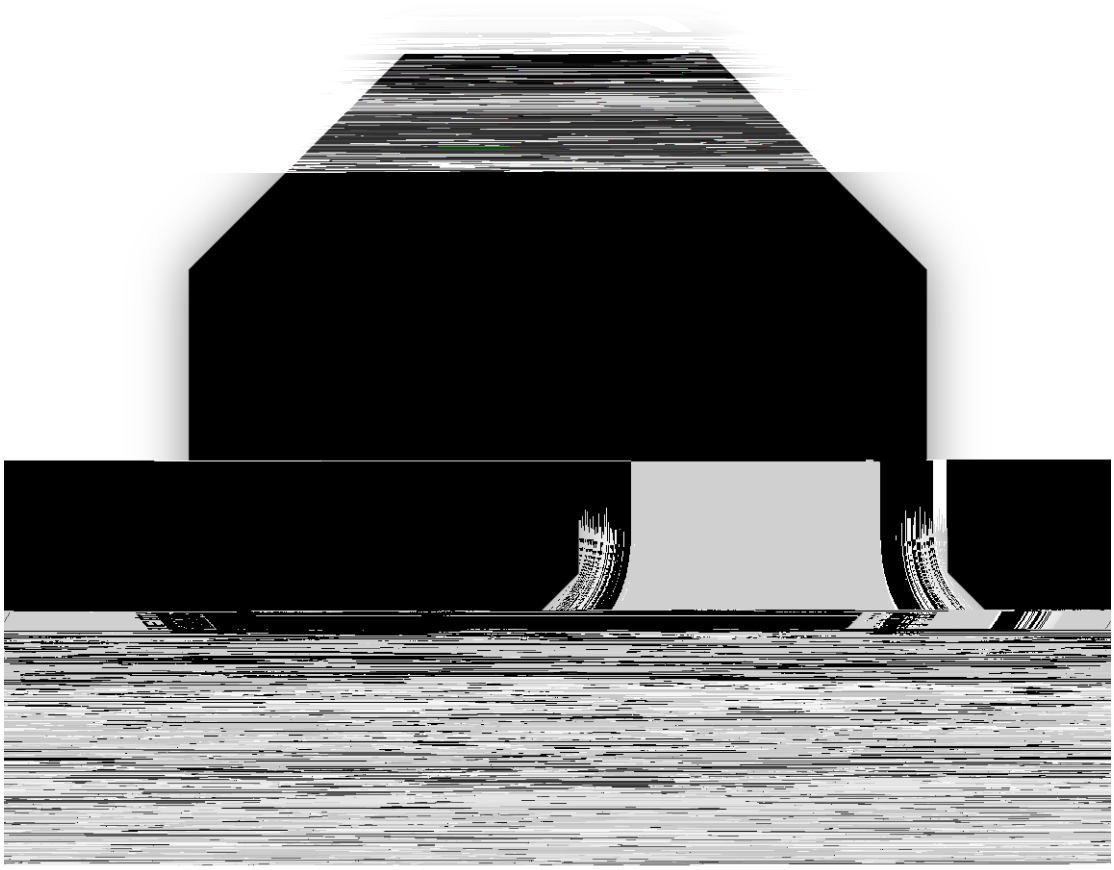
The total GHG emissions of Zhongtian Radio Frequency Cable Co., Ltd.



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







3.2. Assessment of GHG data and information

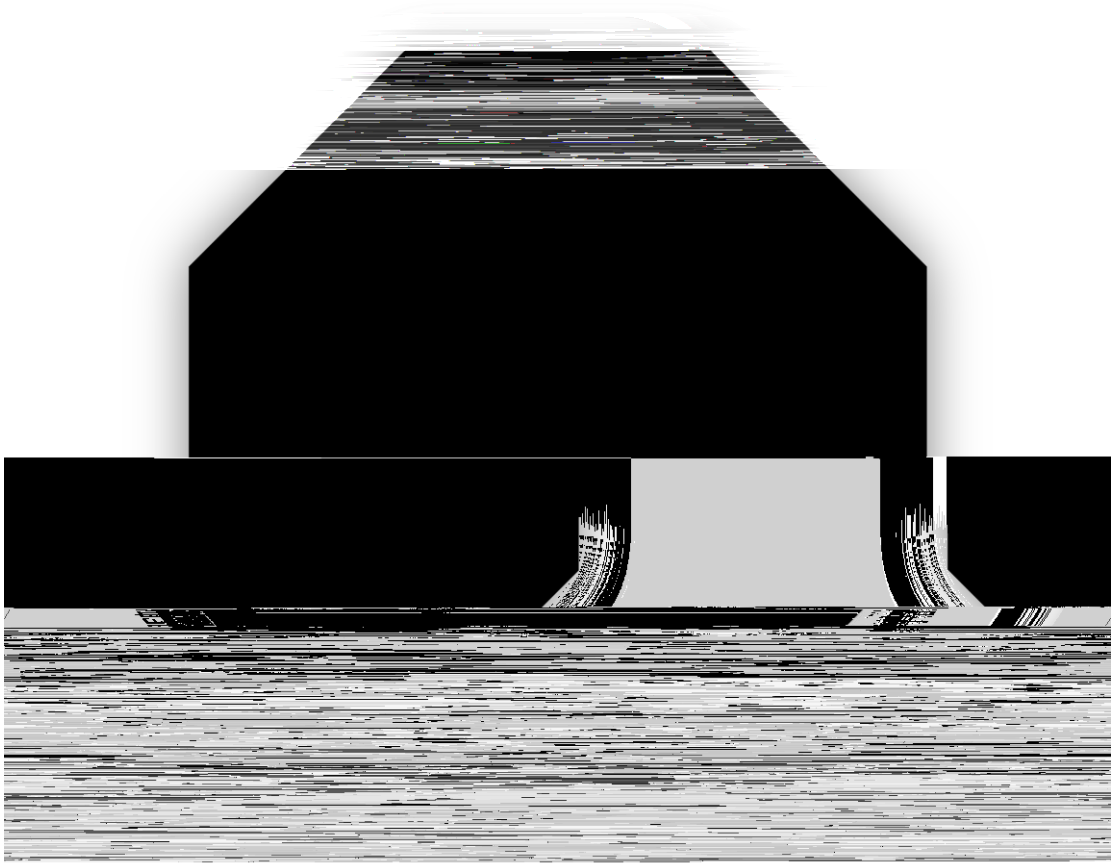
Activity data and emission factor compliance

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.

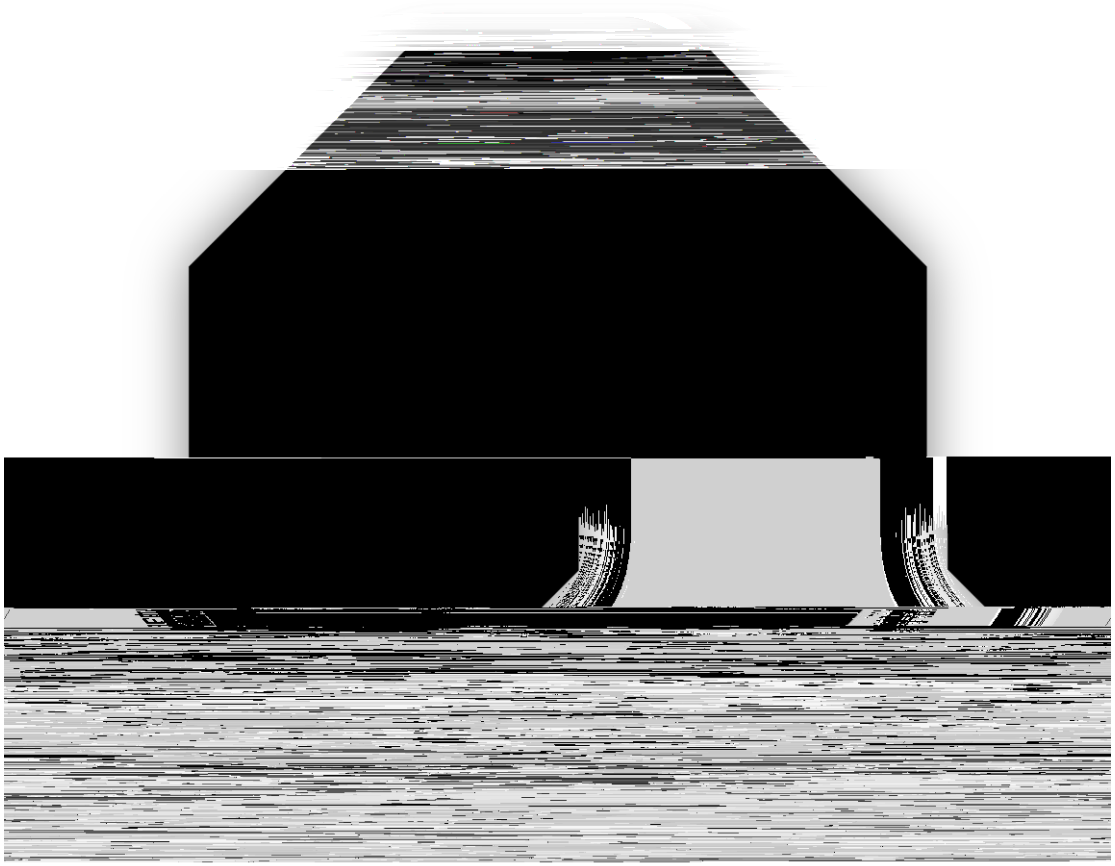
The verification information are as follows:

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	[redacted]	[redacted]	[redacted]	[redacted] $kgCO_2/TJ$ [redacted] $kgCH_4/TJ$ [redacted] kgN_2O/TJ Hea[redacted]e:	*2006 IPCC Guidelines for National Greenhouse Gas Inventories* Table 3.3.1, Chapter III, Volume II [redacted]*a Energy Statistical Yearbook 2022* Appendix IV	[redacted]

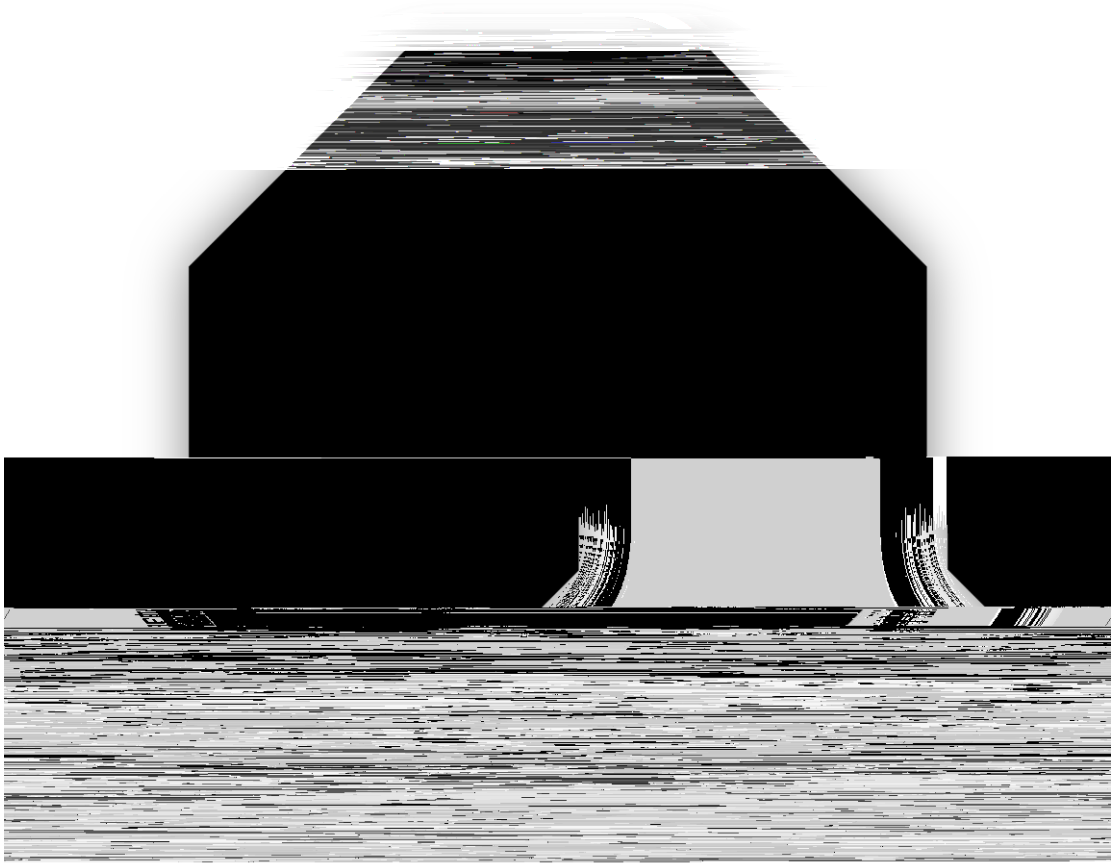
Emission categories	Emission source	Facilities or process



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

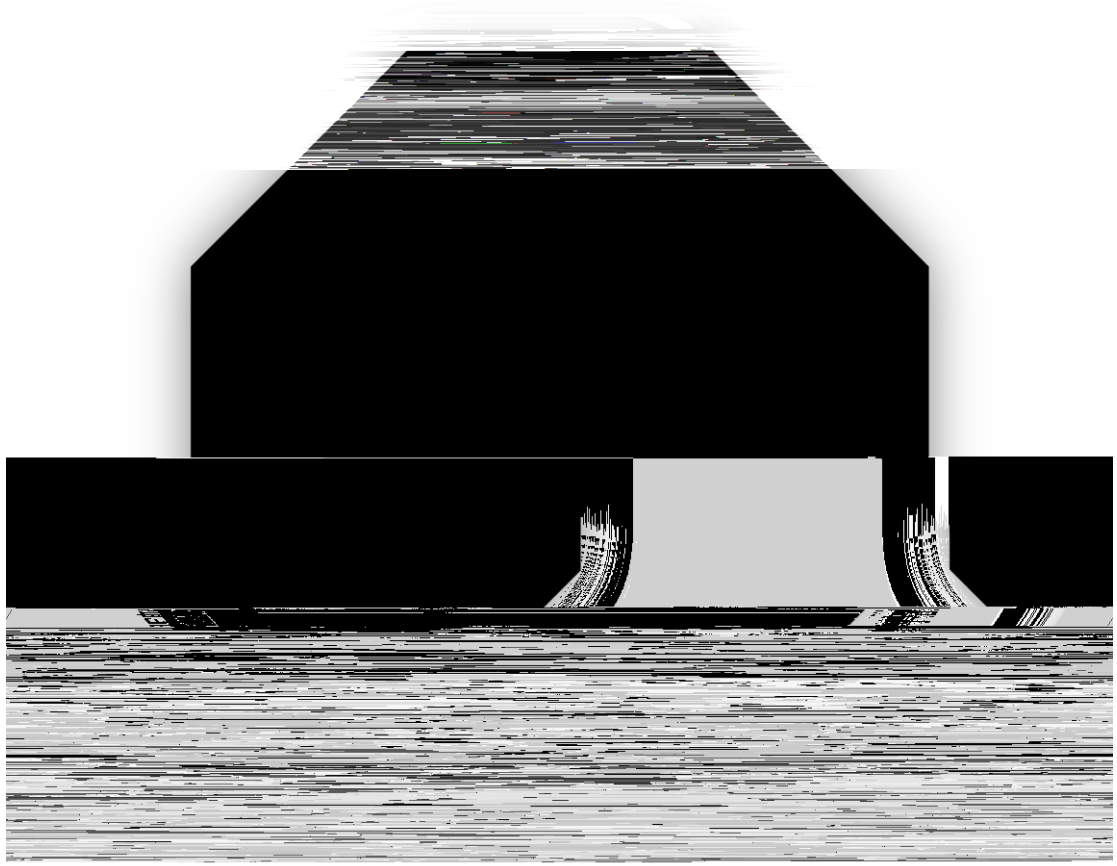


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Imported electricity	Zhongtian Photovoltaic Technology Co., Ltd. sourced electricity	Electricity 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	Electricit ☒ Loca method ☐ Mark method				CO_2/kWh		0.0000
Category 3: indirect GHG emissions from transportation	Employee commuting vehicle	Outsourcing vehicle	☒ Distance-based method ☐ Spend-based method ☐ Not applicable	446277.60	km	Employee commuting statistics	0.3632 $kgCO_2e/km$	Ecoinvent 3.10 database	162.0829

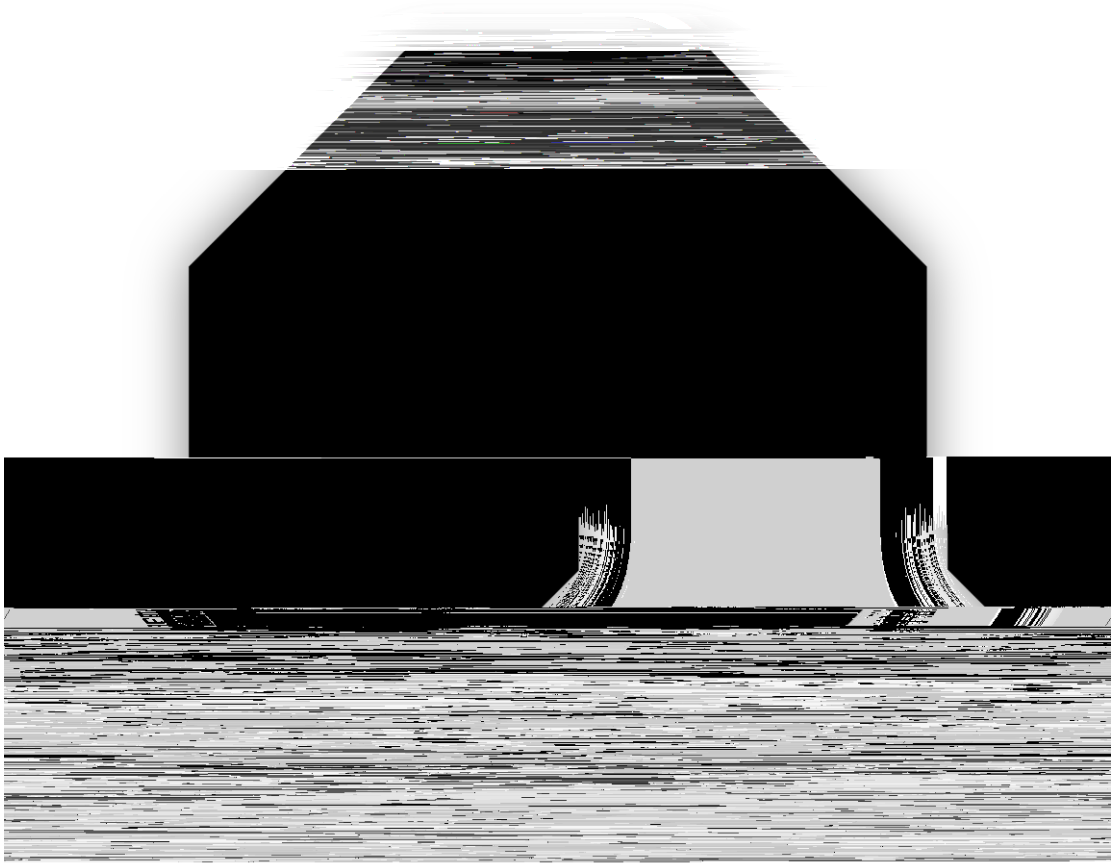


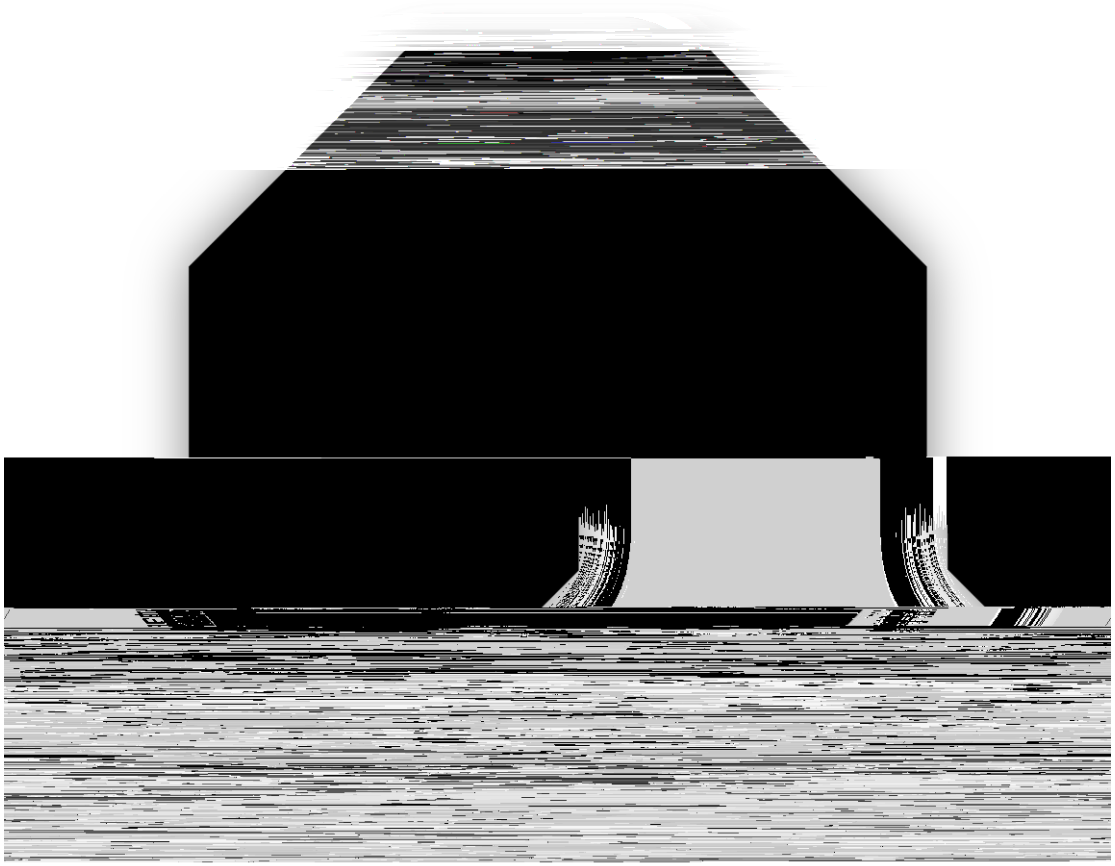
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Employee taxi traveling	Taxi traveling	Transportation, travel and commuting: ☐ Fuel-based method ☒ Distance-based method ☐ Spend-ba method ☐ Not	1110.00	pkm	Employee traveling	0.3632 $kgCO_2e/km$	Ecoinvent 3.10 database	0.4031
	Employee plane traveling	tra	Transpo and com ☐ Fue ☐ Not applicable			ployee traveling mpensate record	0.109 kgCO	nvent 3.10 database	17.5831

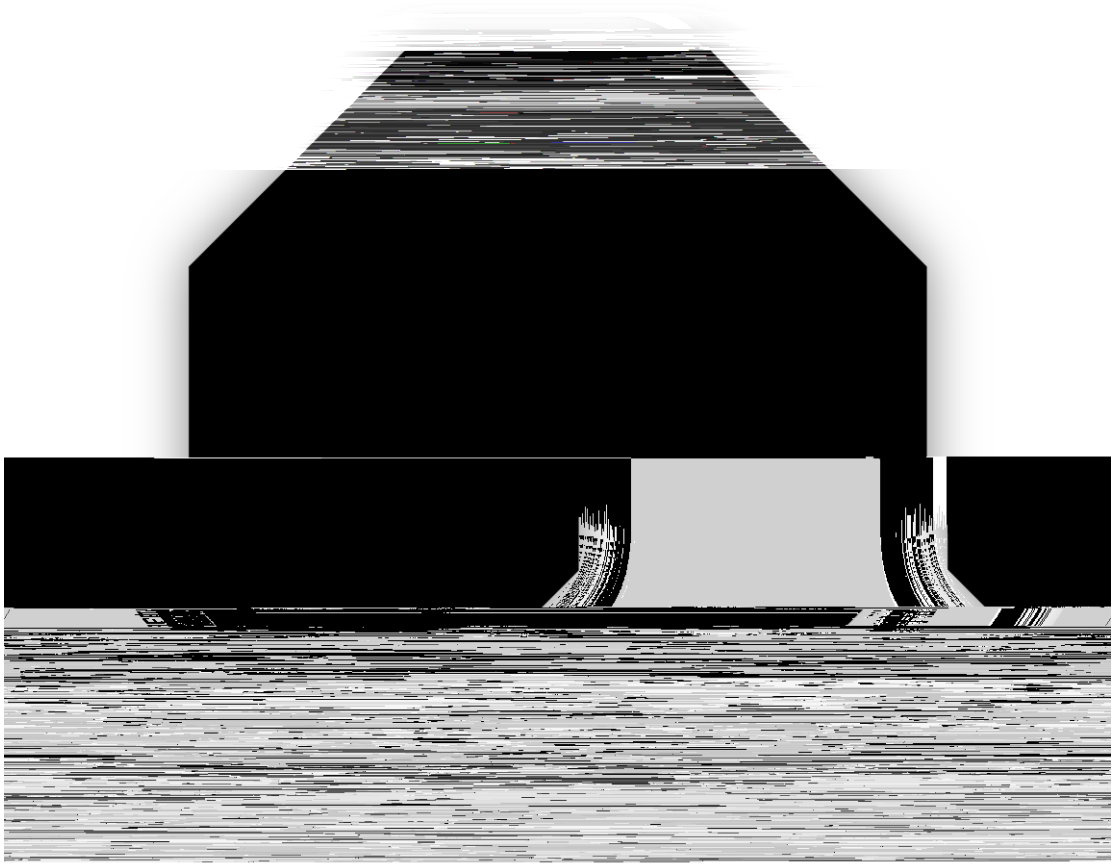
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Employee rail traveling	Rail traveling	Transportation, travel and commuting: ☐ Fuel-based method ☒ Distance-based method ☐ Spend-ba method ☐ Not	130565.00	pkm	Employee traveling	0.0749 $kgCO_2e$/pkm	Ecoinvent 3.10 database	9.7753
	Employee subway traveling	S tra	Transpo and com ☐ Fuel ployee traveling mpensate record 0.0000 kgC method ☐ Not applicable					Notice of the Beijing Municipal E nici	

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)
	Em								

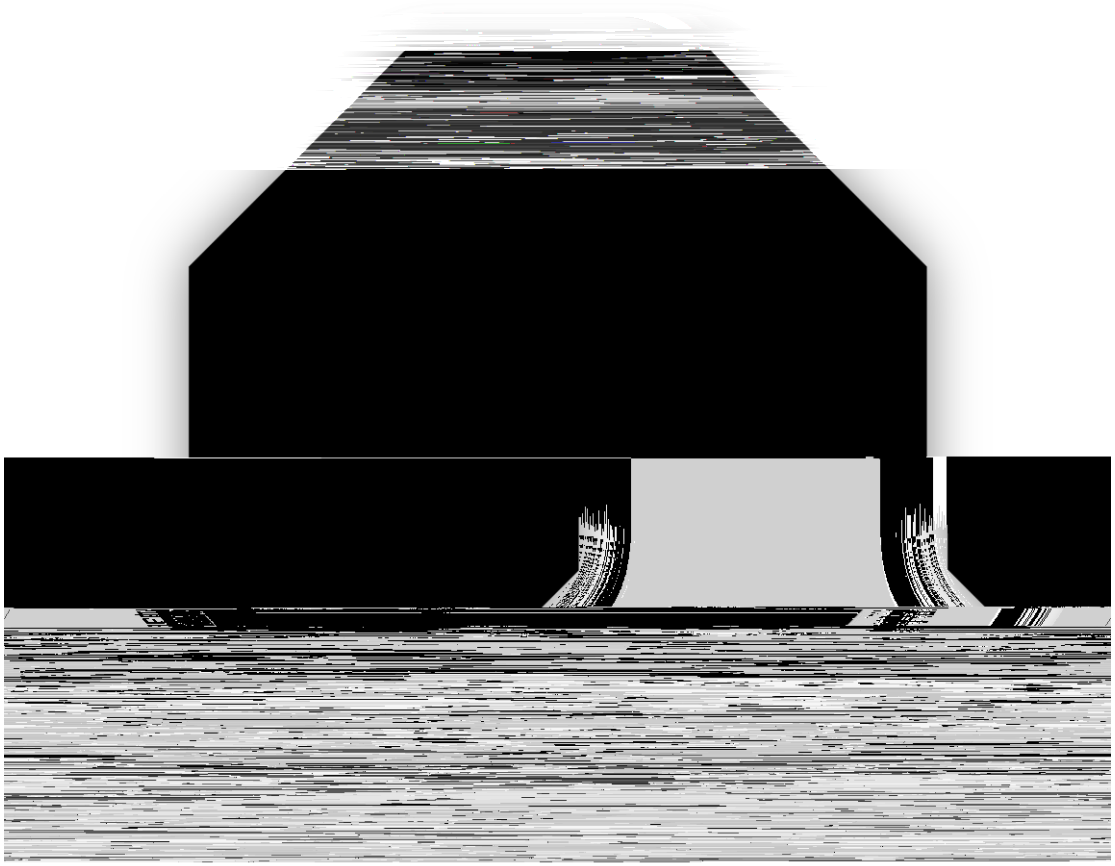
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Upstream material transportation	Upstream material road transportation 3.5t-16t	Transportation, travel and commuting: ☐ Fuel-based method ☒ Distance-based method ☐ Spend-ba method ☐ Not	5317580.13	tkm	Raw material	0.2451 $kgCO_2e$/tkm	Ecoinvent 3.10 database	1303.2020
	Upstream material transportation	Up mat trans 1	Transpo and com ☐ Fue method ☐ Not applicable			Raw material quisition record	0.194 kg CO	nvent 3.10 database	2287.1907





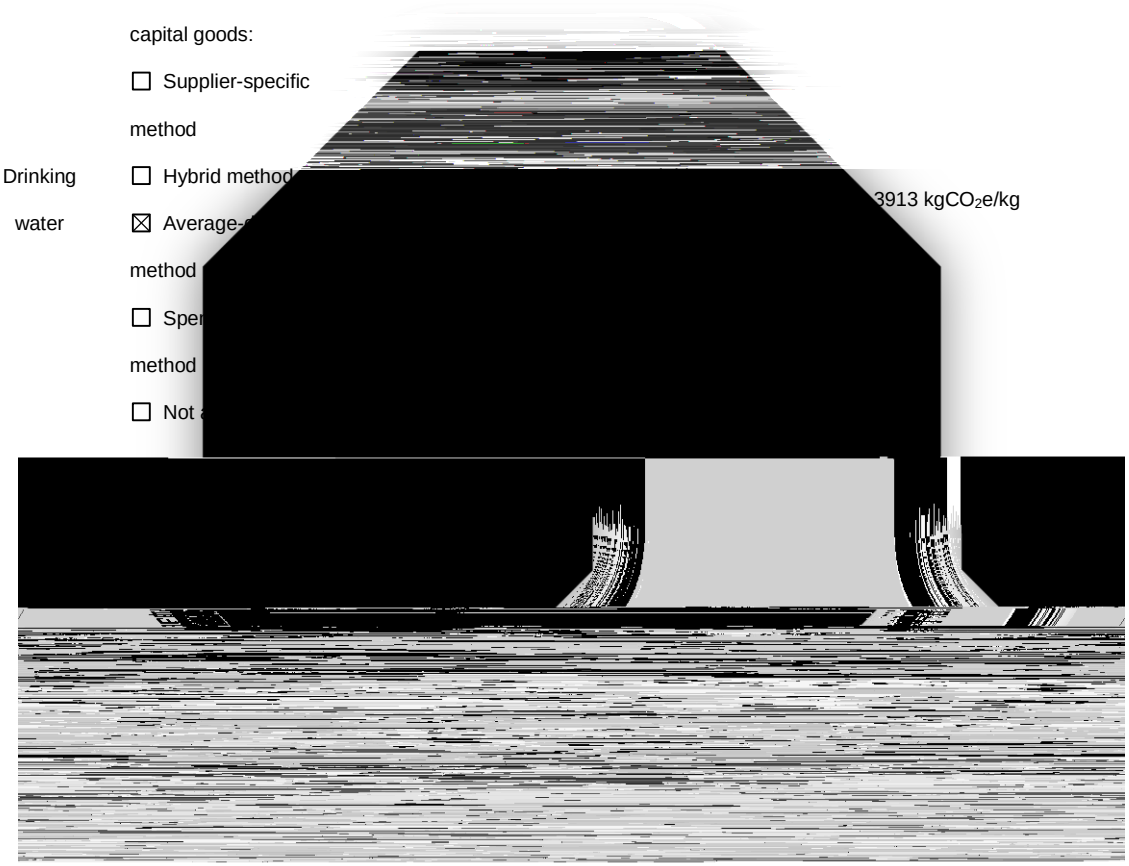


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
Category 4: indirect GHG emissions from products used by organization	Production equipment	Production equipment cost	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☐ Average-[illegible] method ☒ Spen[illegible] method ☐ Not [illegible]	[illegible]	Ten	[illegible]	1.9524 tCO_2e/ten [illegible]usand RMB	*Chinese Environmentally Extended Input-Output database* adjusted by 2024 PPI	2490.1583
	Office equipment	Computer	☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	84.67	p	2024 office equipment record	596.5844 $kgCO_2e$/p	Ecoinvent 3.10 database	32.6133

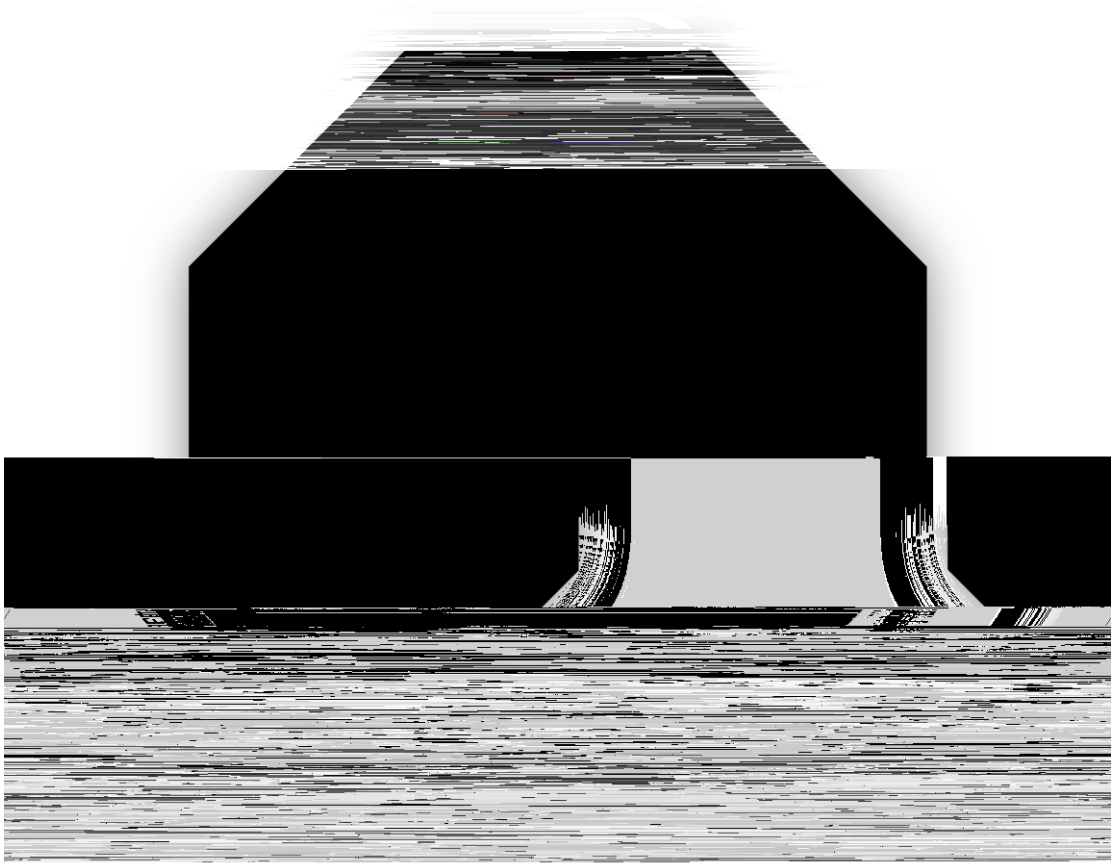


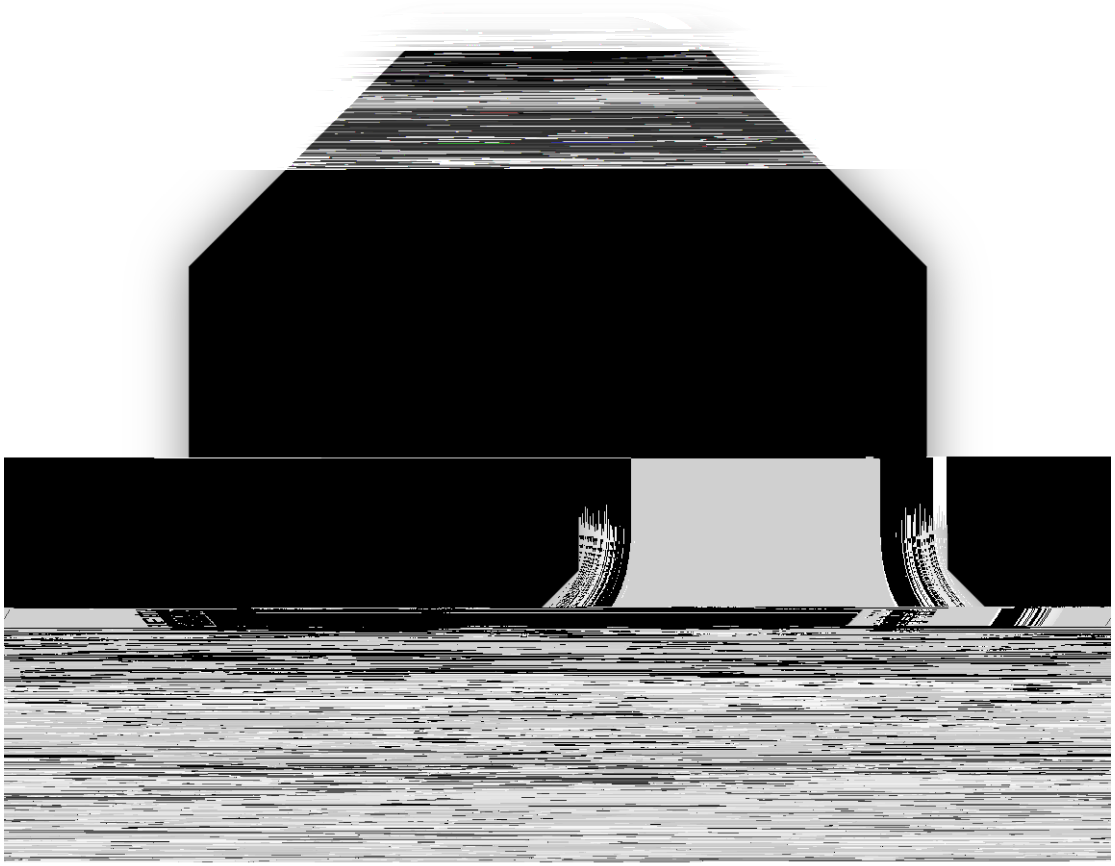
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased service	Dining cost	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☐ Average-[illegible] method ☒ Spen[illegible] method ☐ Not [illegible]		Ten		0.7397 tCO_2e/ten [illegible]usand RMB	*Chinese Environmentally Extended Input-Output database* adjusted by 2024 PPI	97.8039
	Purchased service	Processing service	☐ Hybrid method ☐ Average-data method ☒ Spend-based method ☐ Not applicable	193.27	thou 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- method ☐ Spe method ☐ Not				3913 $kgCO_2e/kg$		



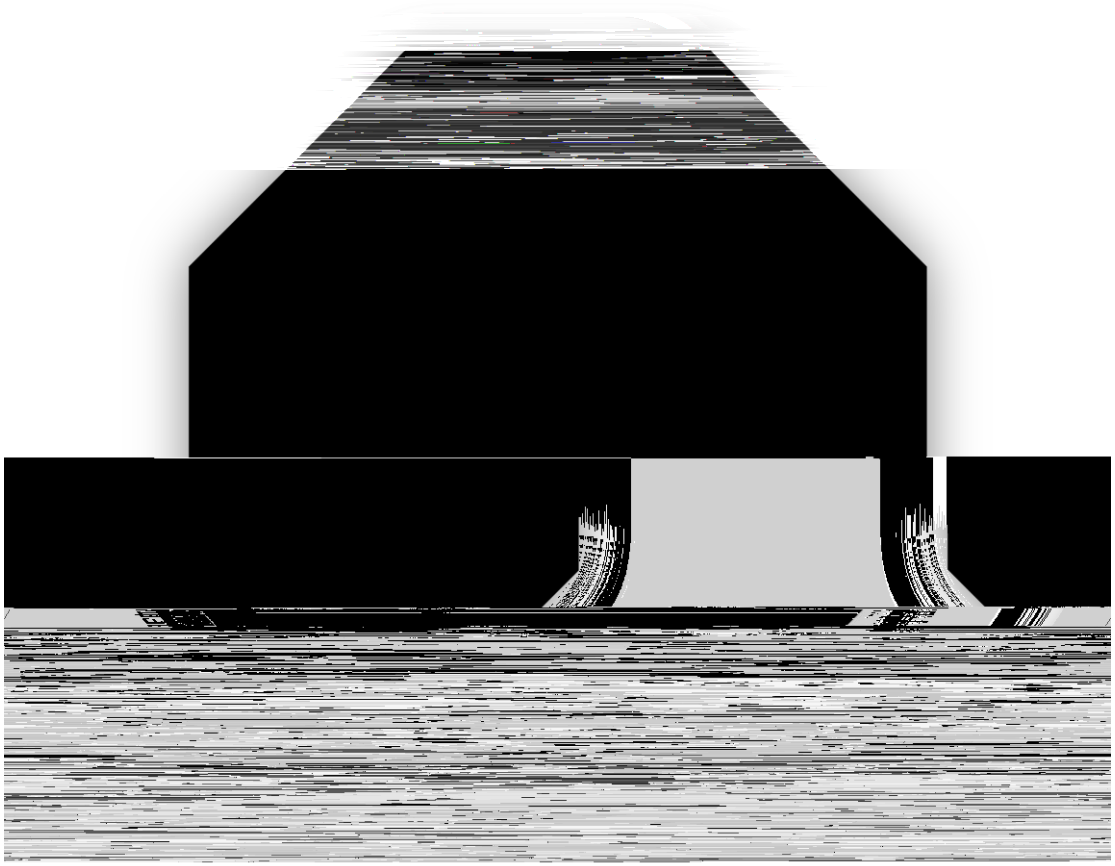
Emission categories	Emission source	Facilities or pro ĥ '



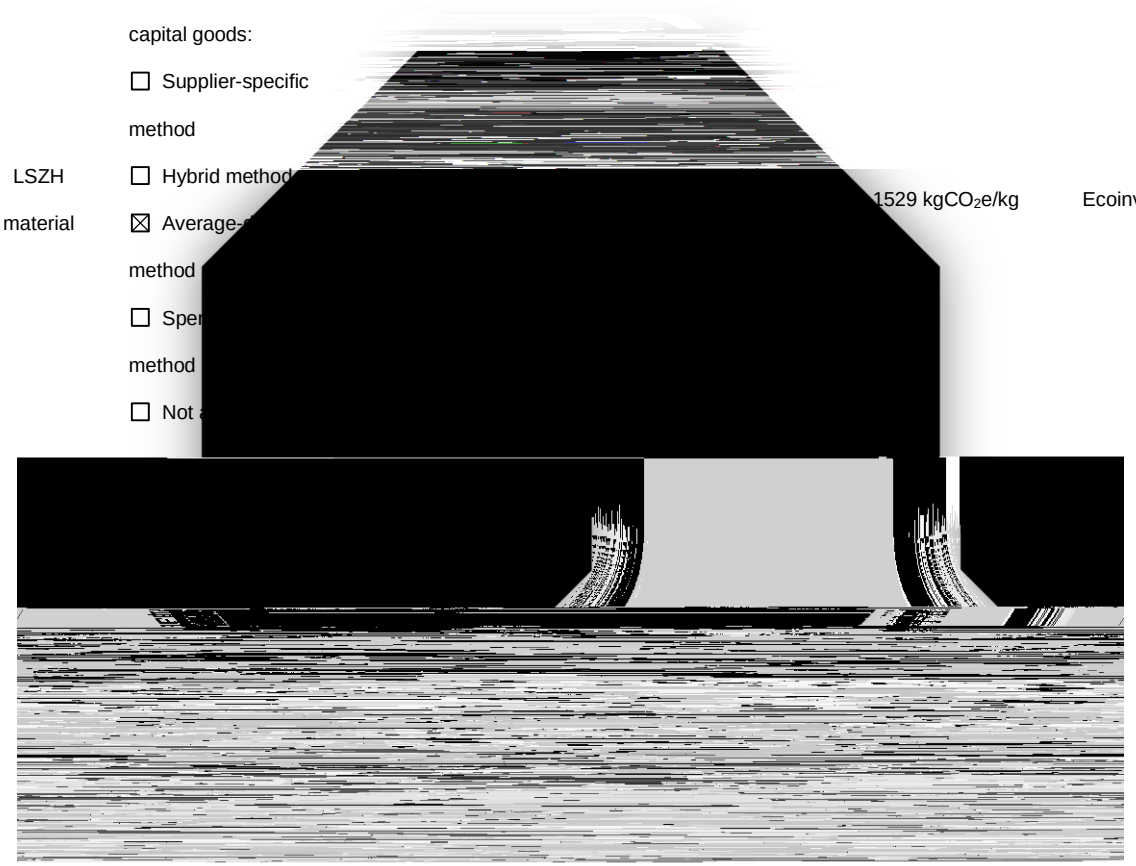


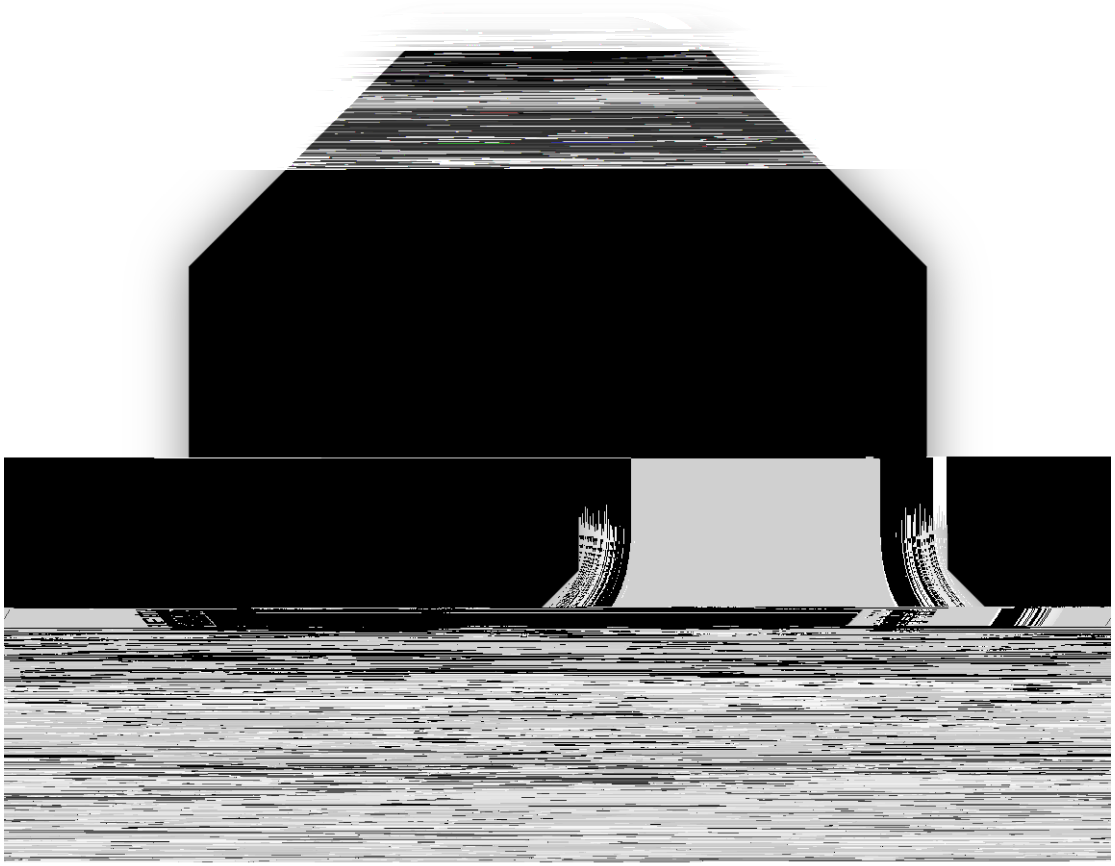
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	HDPE material	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable				1562 $kgCO_2e/kg$	Ecoinvent 3.10 database	11576.4465
	Purchased raw material	HDPE material	☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	889045.00	kg	Raw material acquisition record	3.3465 $kgCO_2e/kg$	Ecoinvent 3.10 database	2977.1738

Emission categories	Emission source	Facilities or

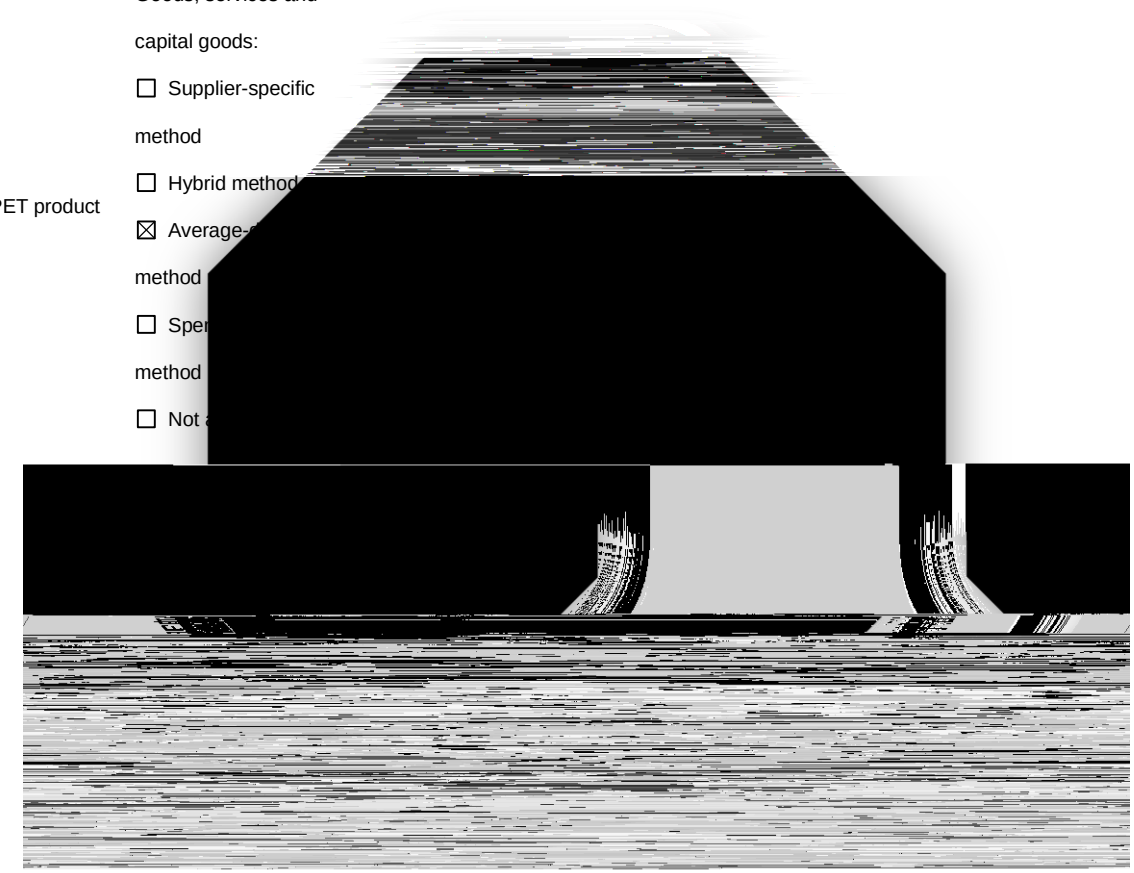


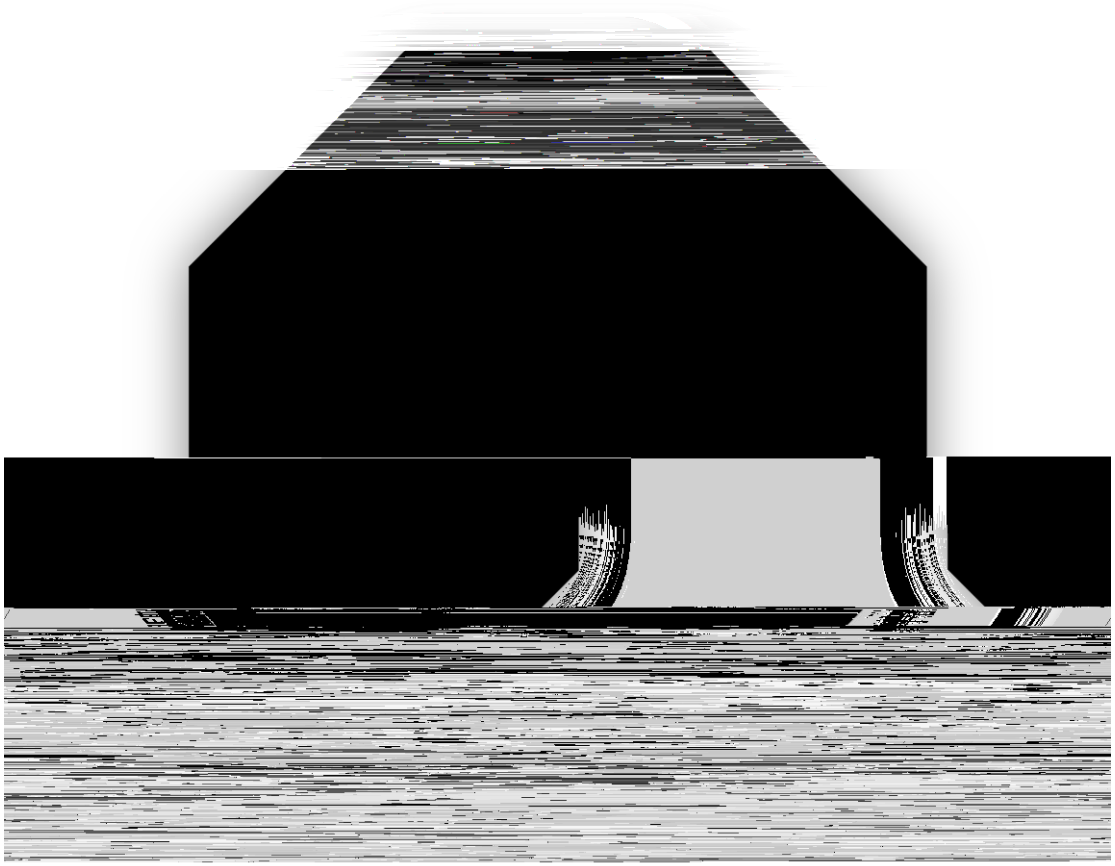
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	LSZH material	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average- method ☐ Spe method ☐ Not				1529 $kgCO_2e/kg$	Ecoinvent 3.10 datab	þ²



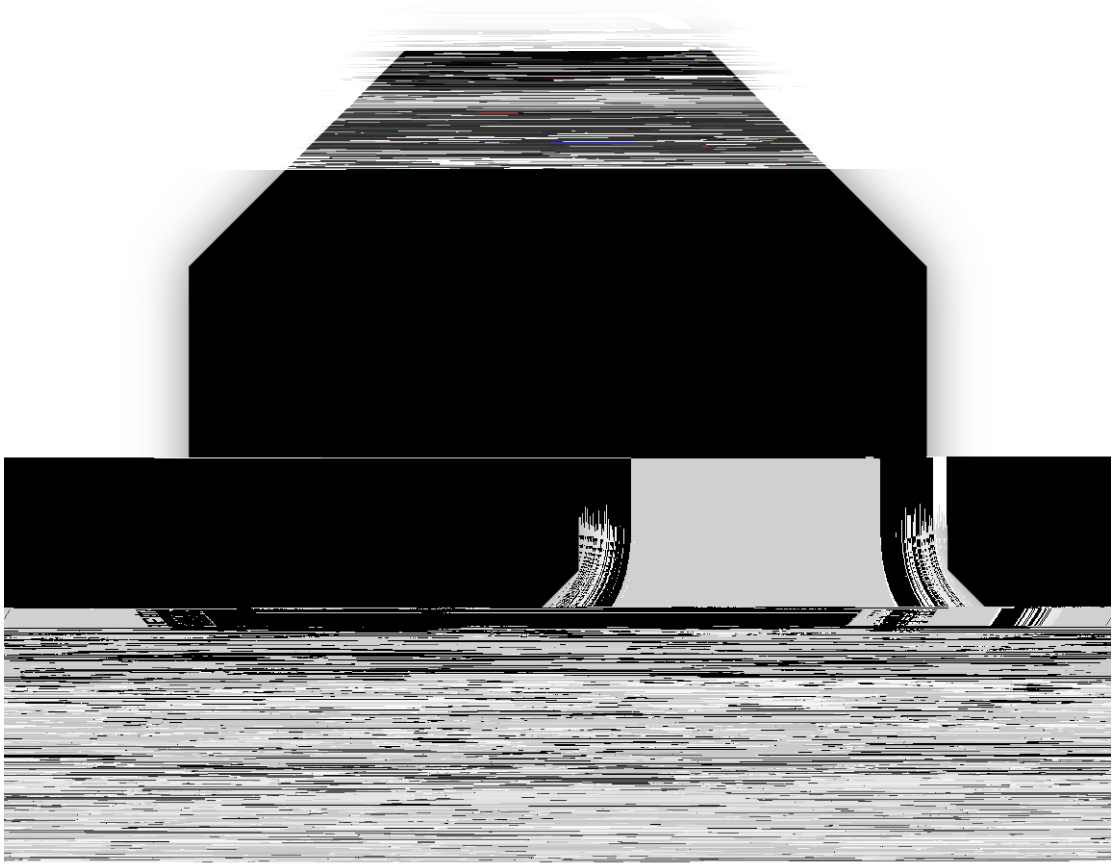


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	PET product	Goods, services and capital goods: ☐ Supplier-specific method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

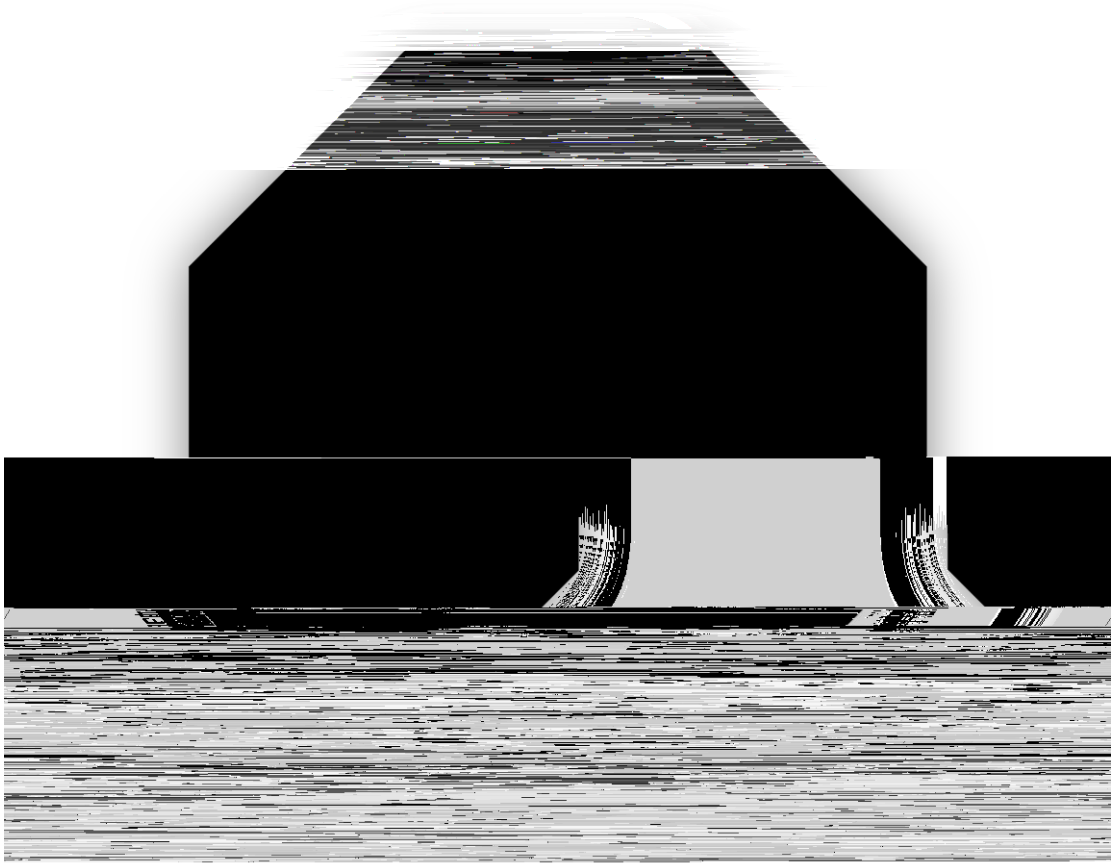


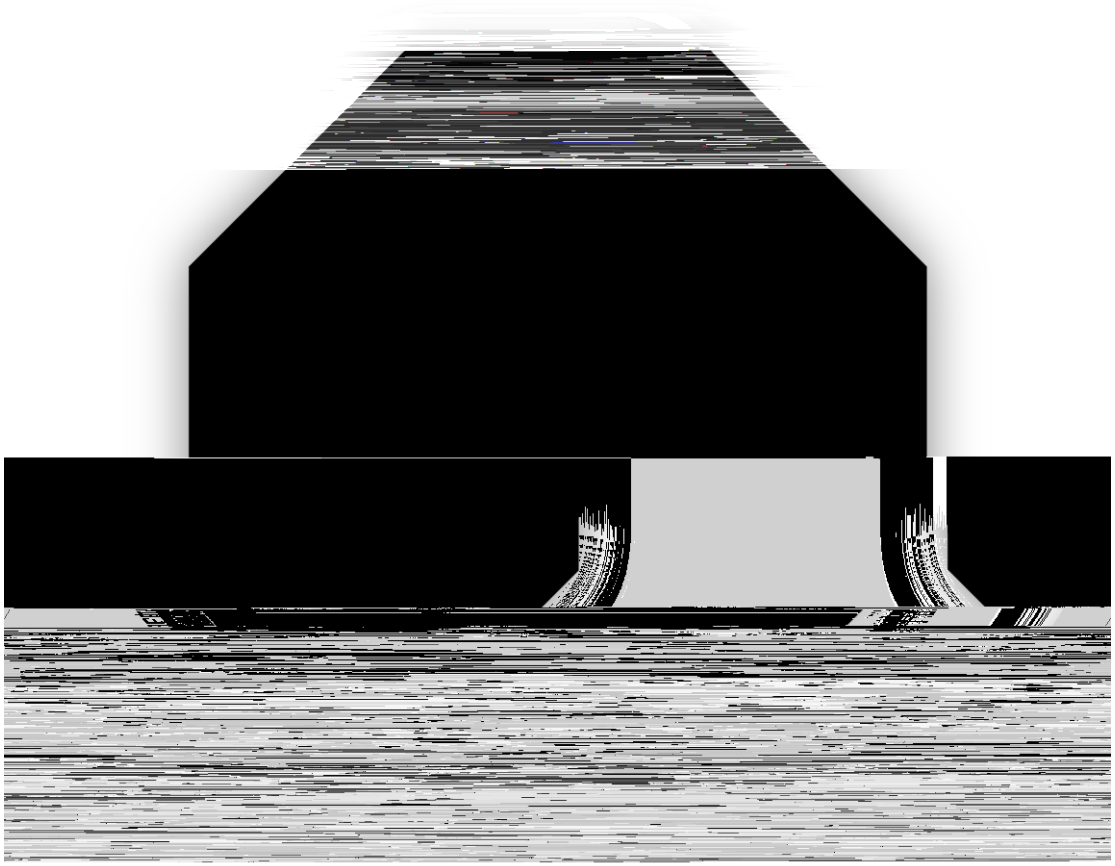


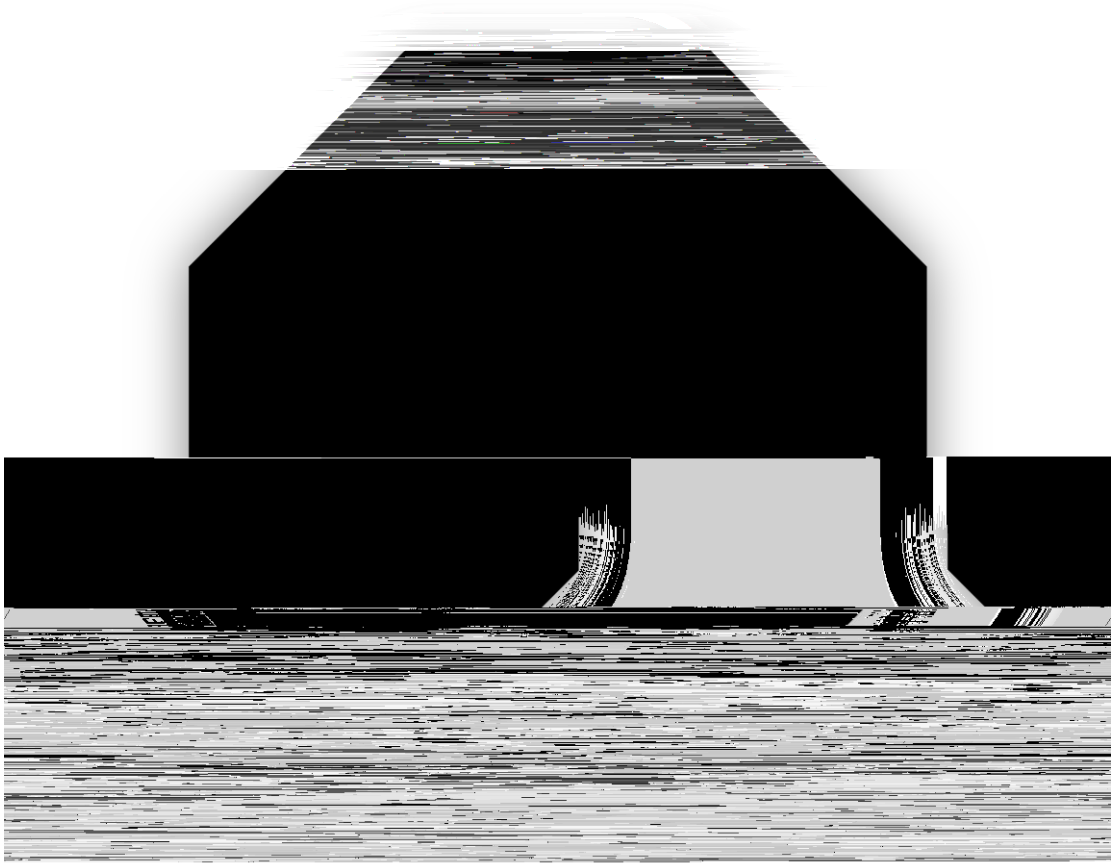
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)

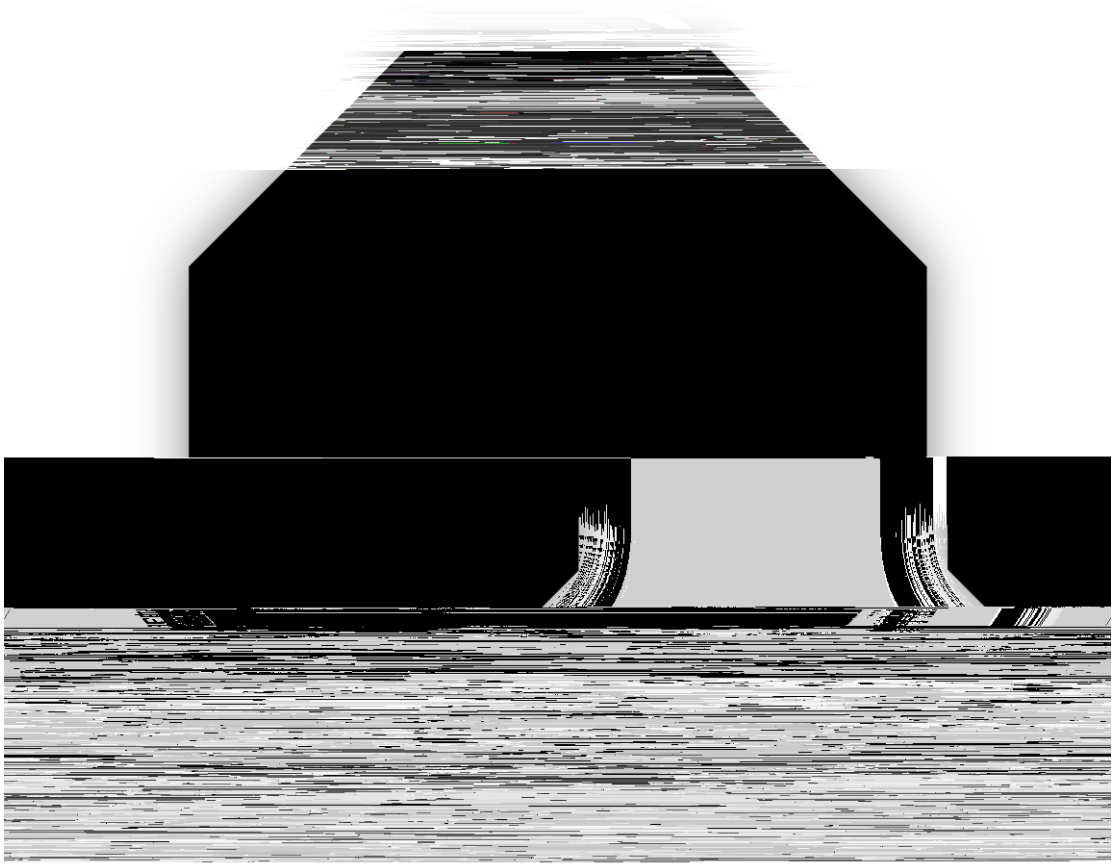


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)

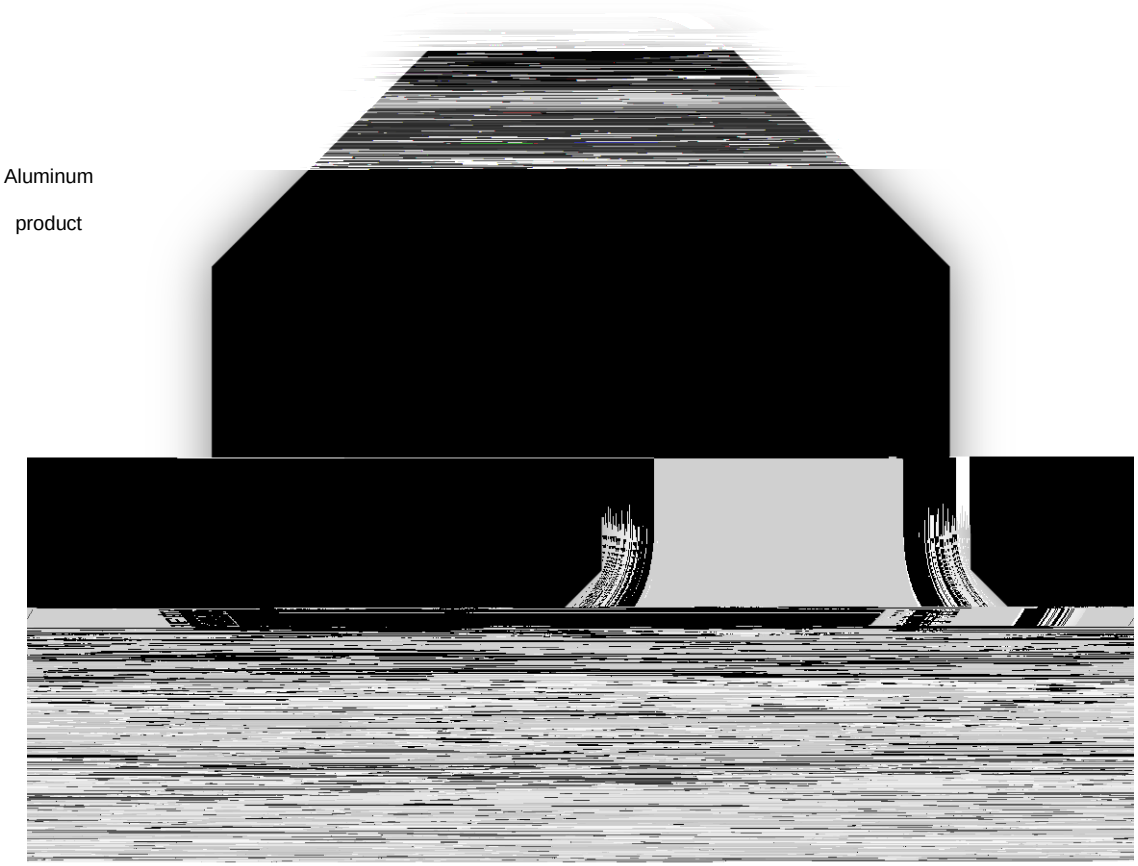






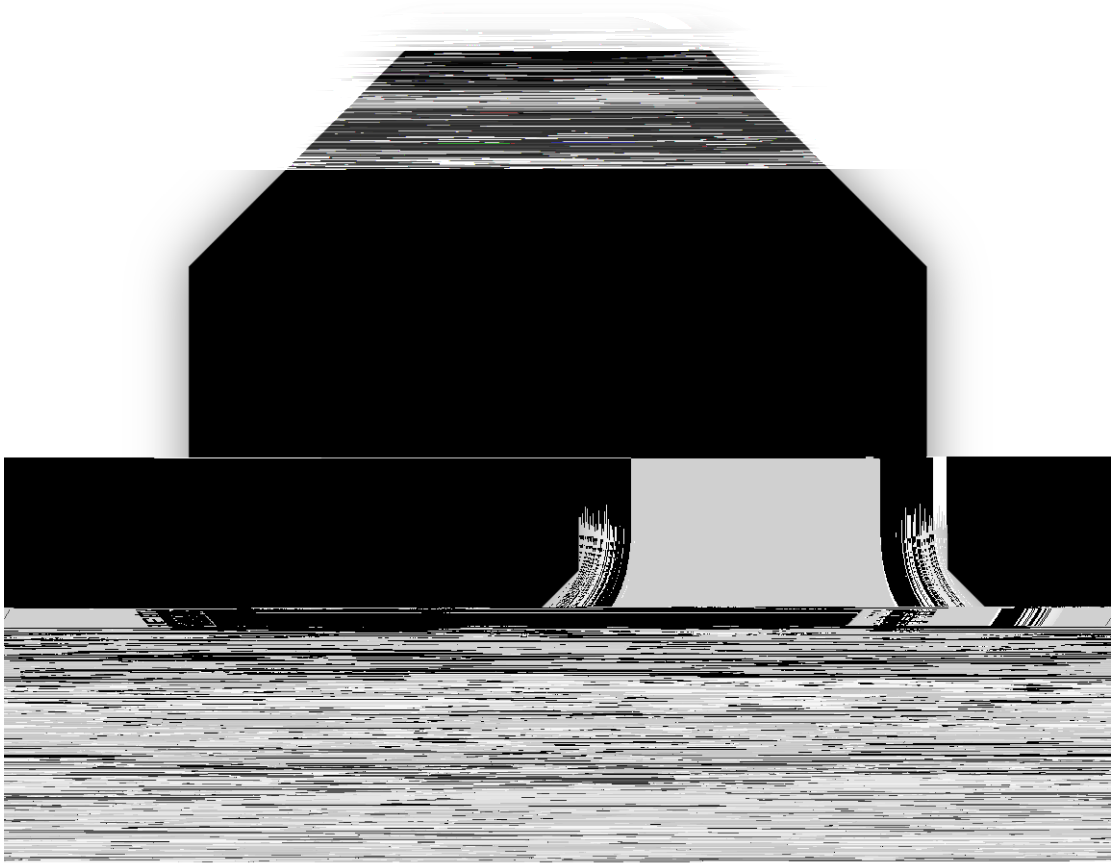


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Aluminum product							

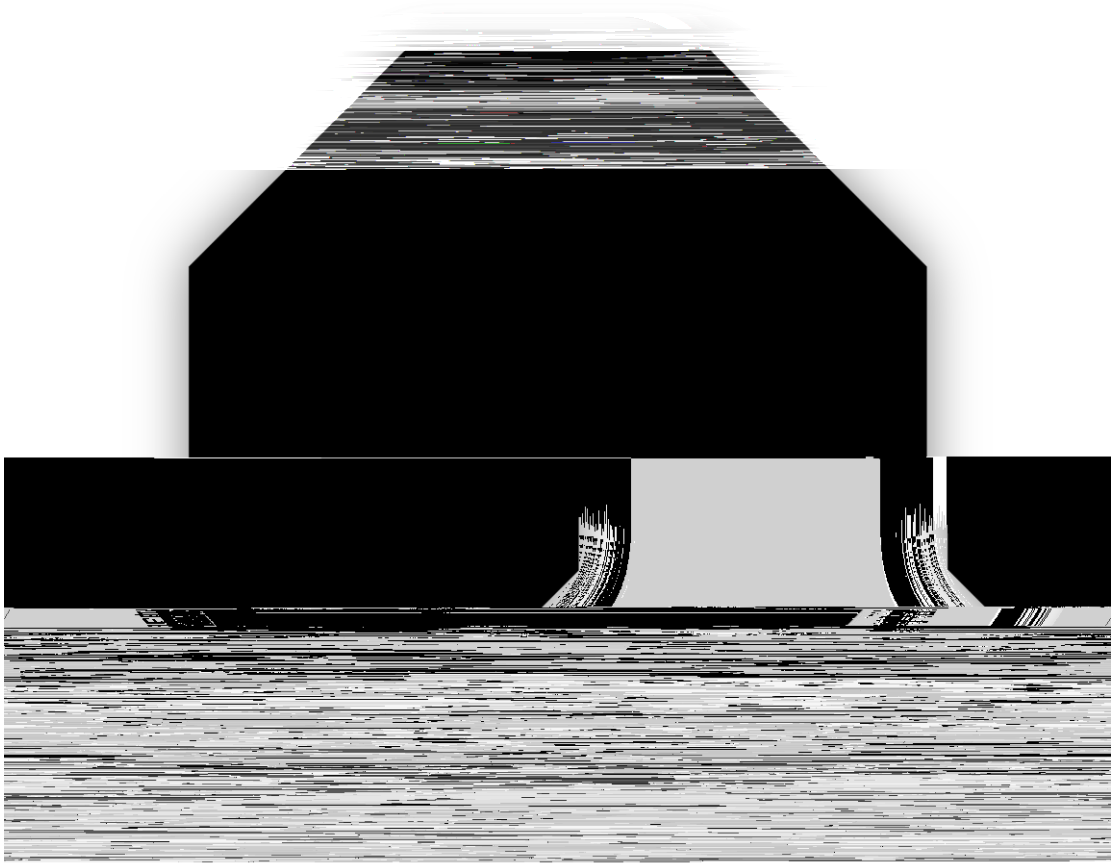


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Nitrogen gas	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spen[illegible] method ☐ Not [illegible]				4471 $kgCO_2e/kg$	Ecoinvent 3.10 database	7.0891
	Purchased raw material	Galvanized steel strip	☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	3095461.00	kg	Raw material acquisition record	3.0112 $kgCO_2e/kg$	Ecoinvent 3.10 database	9321.1004

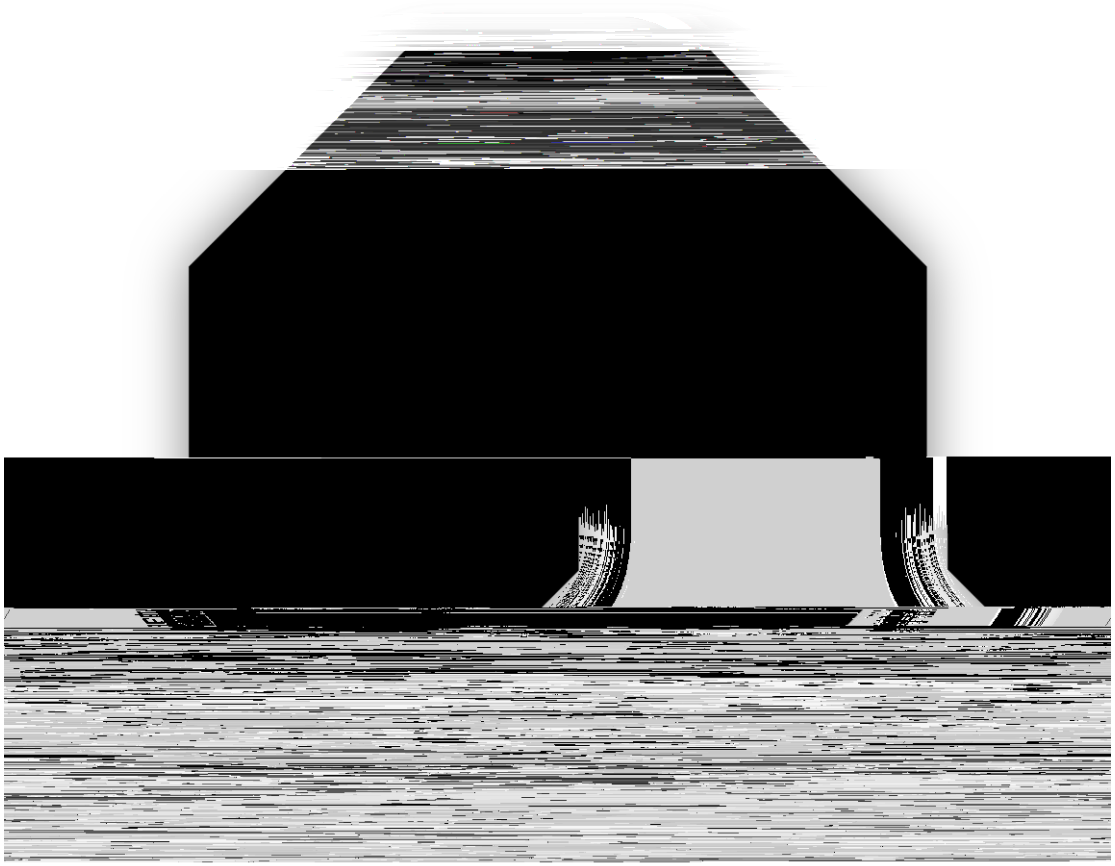
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Galvanized steel wire	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spe[illegible] method ☐ Not [illegible]				9767 $kgCO_2e/kg$	Ecoinvent 3.10 database	23.3664
	Purchased raw material	Cable	[illegible] ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	10225216.85	kg	Raw material acquisition record	6.2823 $kgCO_2e/kg$	Ecoinvent 3.10 database	64238.2961

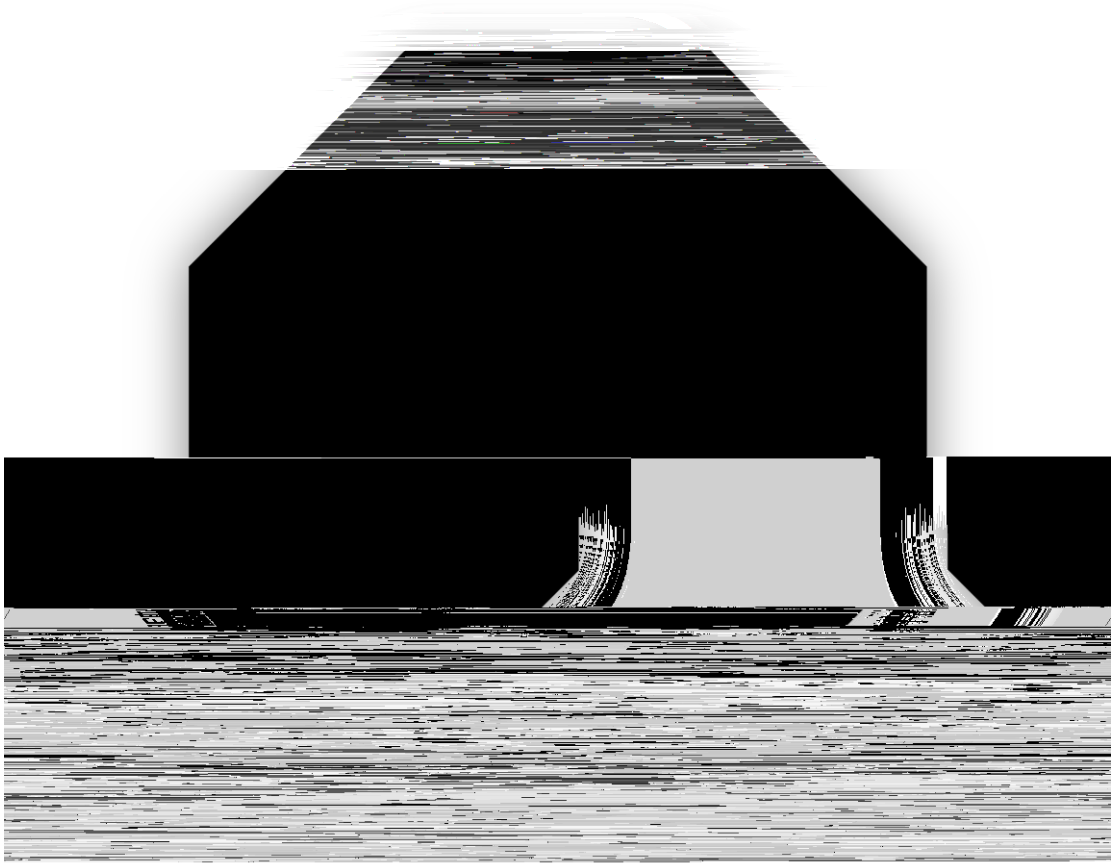


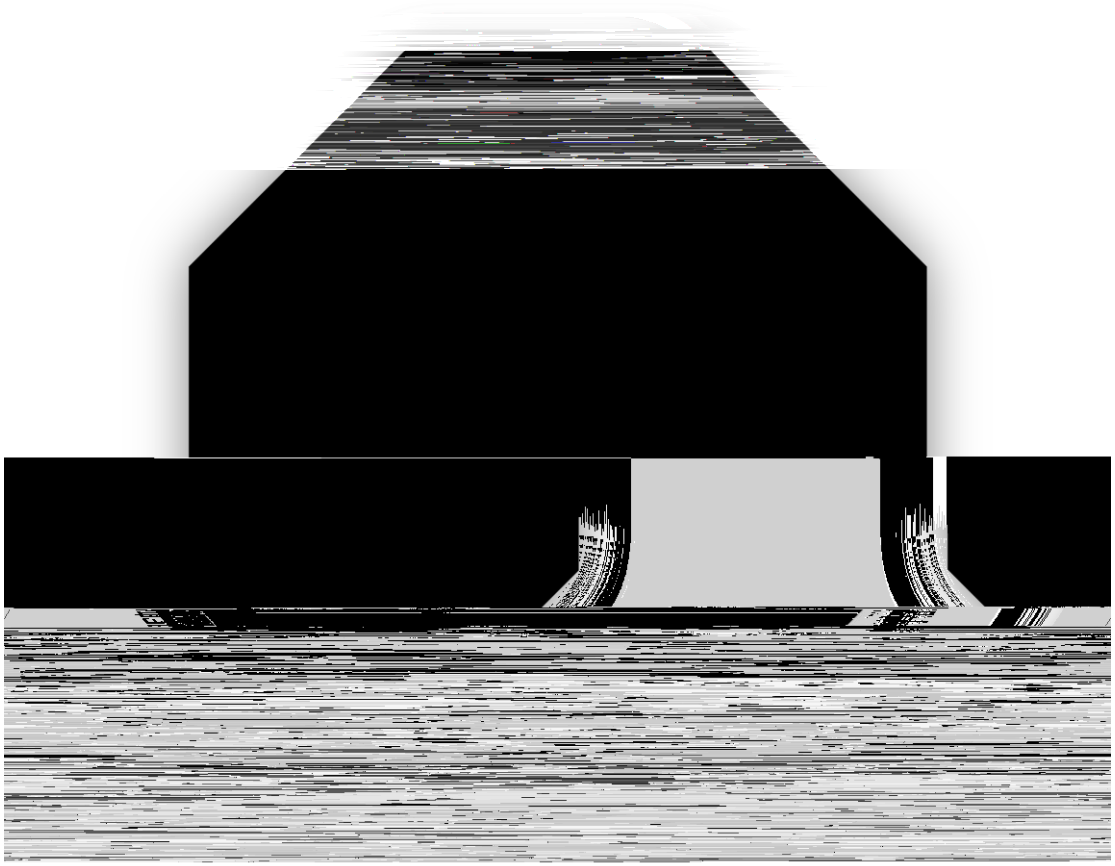
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit

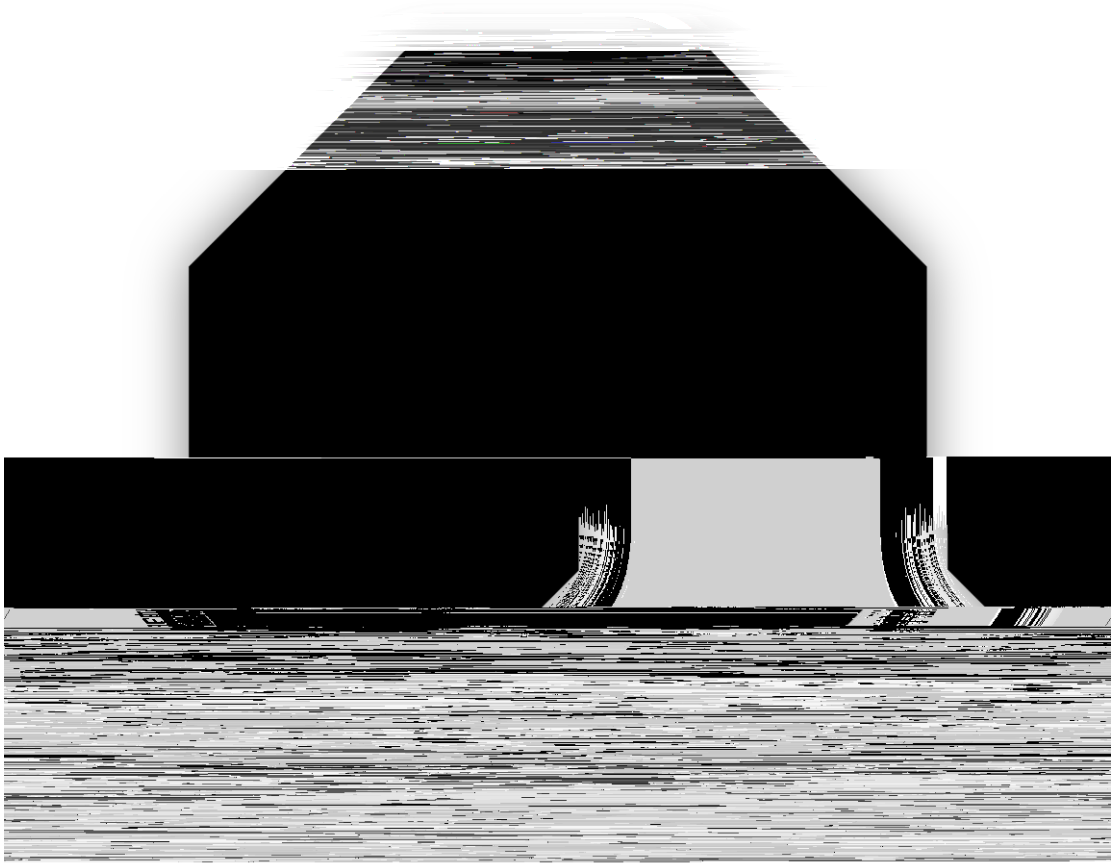


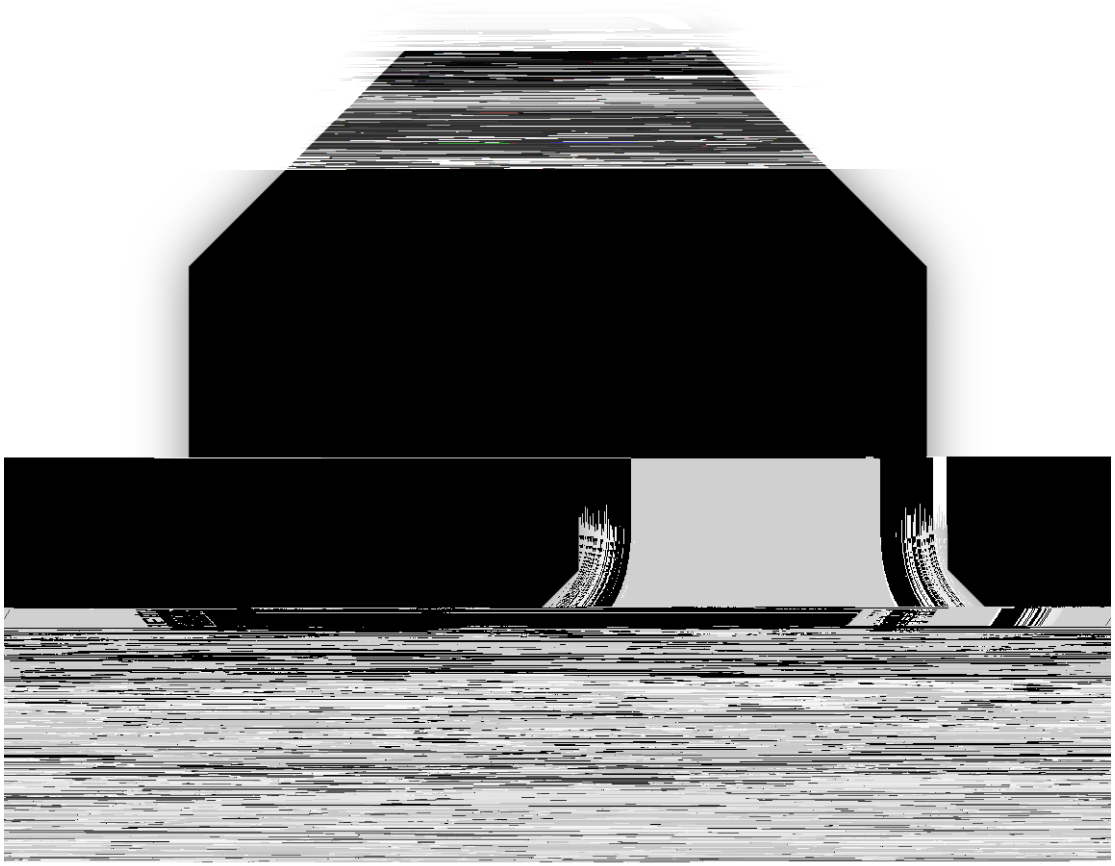
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass











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	Plywood	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average- method ☐ Spe method ☐ Not				8998 $kgCO_2e/kg$	Ecoinvent 3.10 database	1014.0485
	Purchased raw material	Metal processing							

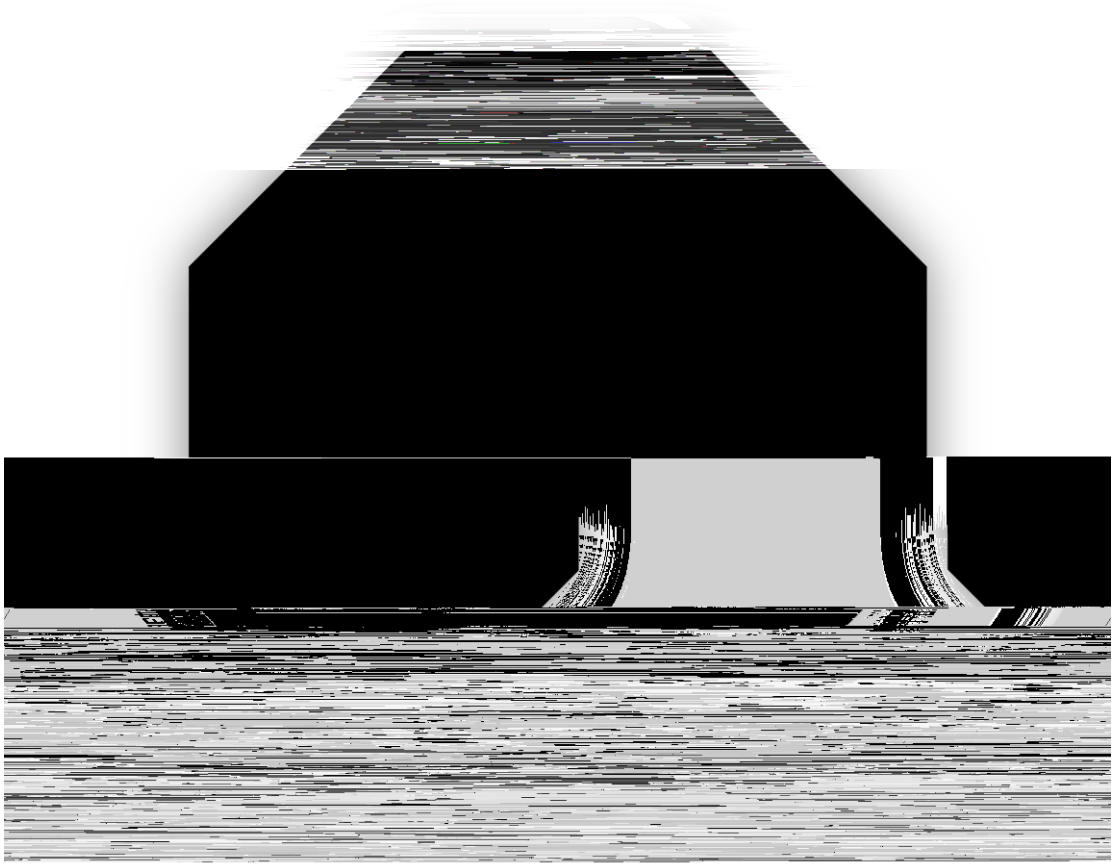
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Poly olefin material	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spe[illegible] method ☐ Not [illegible]				5188 $kgCO_2e/kg$	Ecoinvent 3.10 database	2.9218
	Purchased raw material	Aluminum alloy product	☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	3000.00	kg	Raw material acquisition record	12.0843 $kgCO_2e/kg$	Ecoinvent 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-data method ☐ Spend-based method ☐ Not applicable				3291 $kgCO_2e/kg$	Ecoinvent 3.10 database	1090.6983
	Purchased raw material	Nylon material	☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	110.30	kg	Raw material acquisition record	8.2297 $kgCO_2e/kg$	Ecoinvent 3.10 database	0.9077

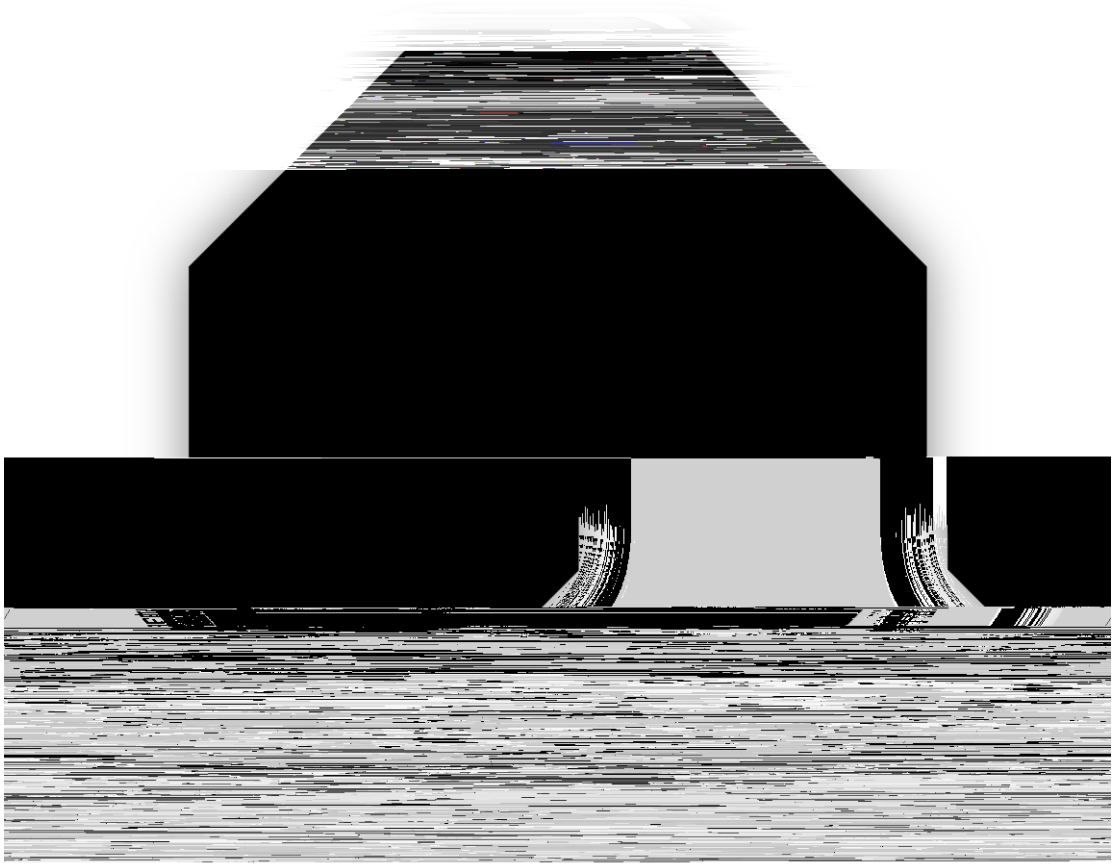
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Nylon product	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spe[illegible] method ☐ Not [illegible]				8859 $kgCO_2e/kg$	Ecoinvent 3.10 database	1.8364
	Purchased raw material	Kraft paper	[illegible] ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	491990.40	kg	Raw material acquisition record	0.9620 $kgCO_2e/kg$	Ecoinvent 3.10 database	473.3058

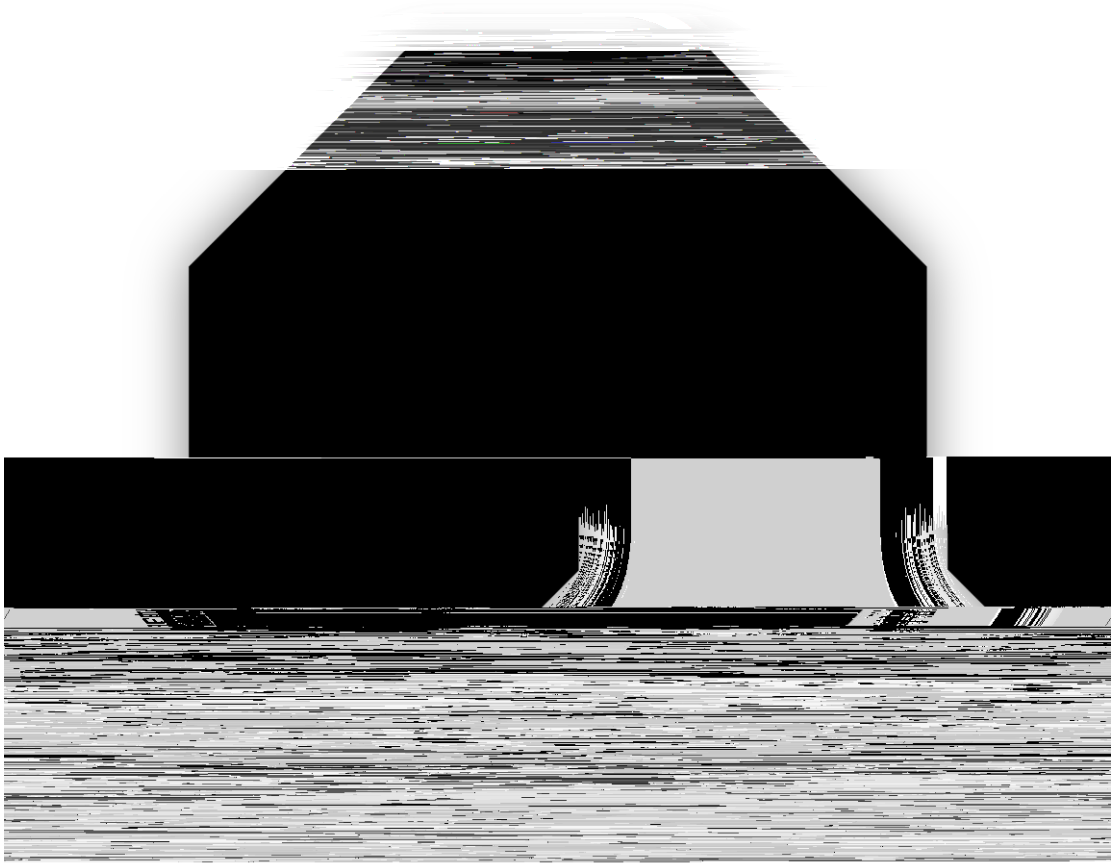
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Hot melt adhesive	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spec[illegible] method ☐ Not [illegible] Goods [illegible]				4399 $kgCO_2e/kg$	Ecoinvent 3.10 database	233.9124
	Purchased raw material	Cement	☐ Hybrid method ☒ Average-data						

Emission categories	Emission source	Facilities or process	Accounting method	

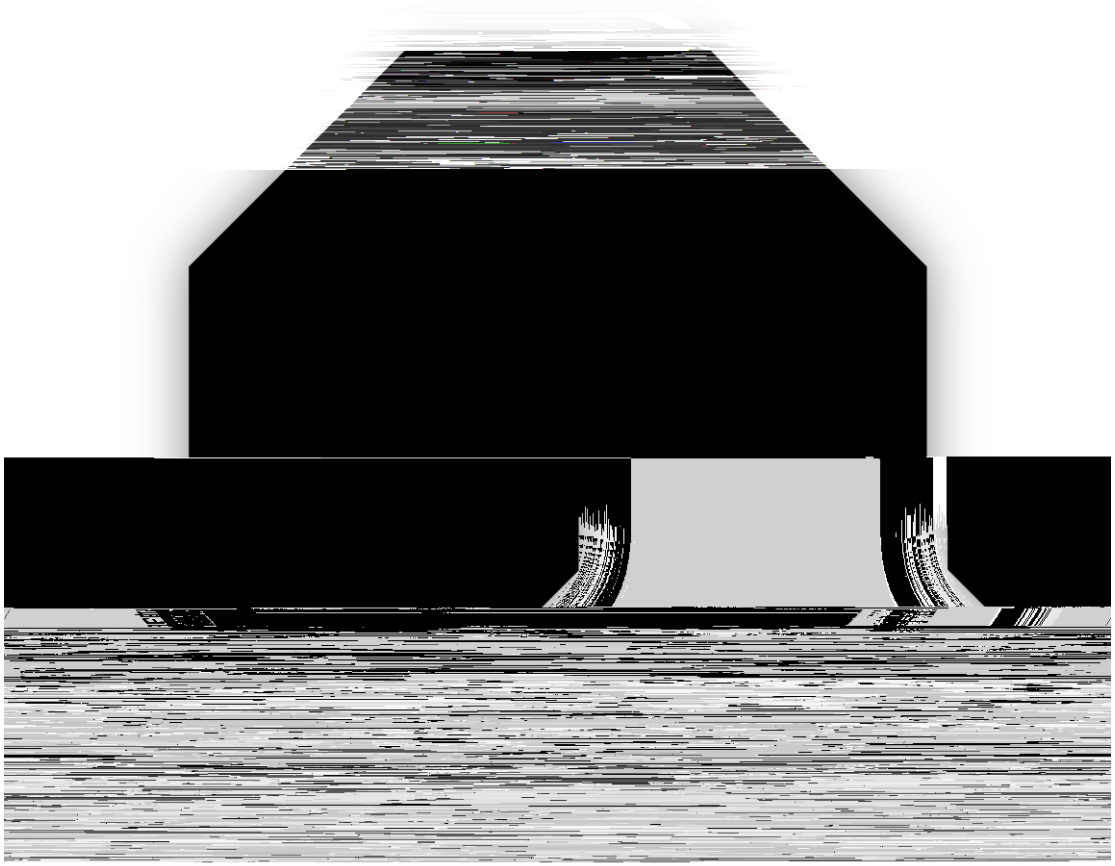


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)

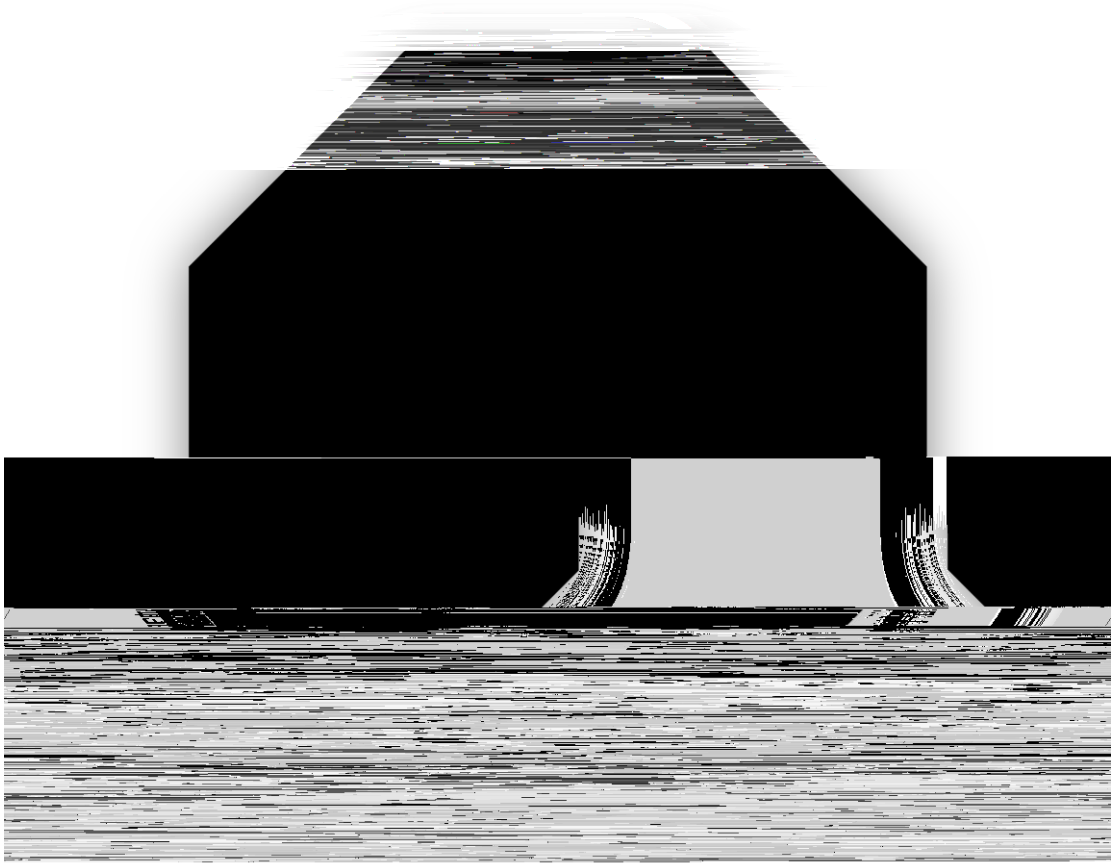




Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	

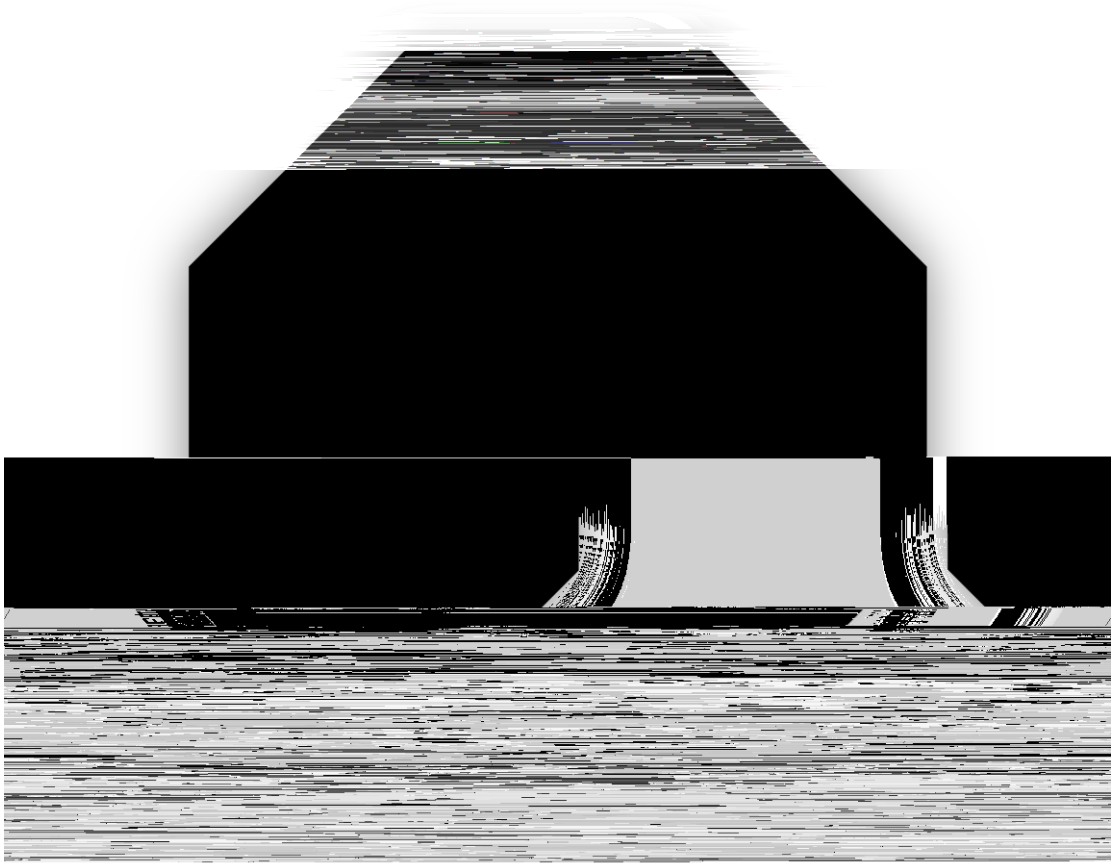


Emission categories	Emission source

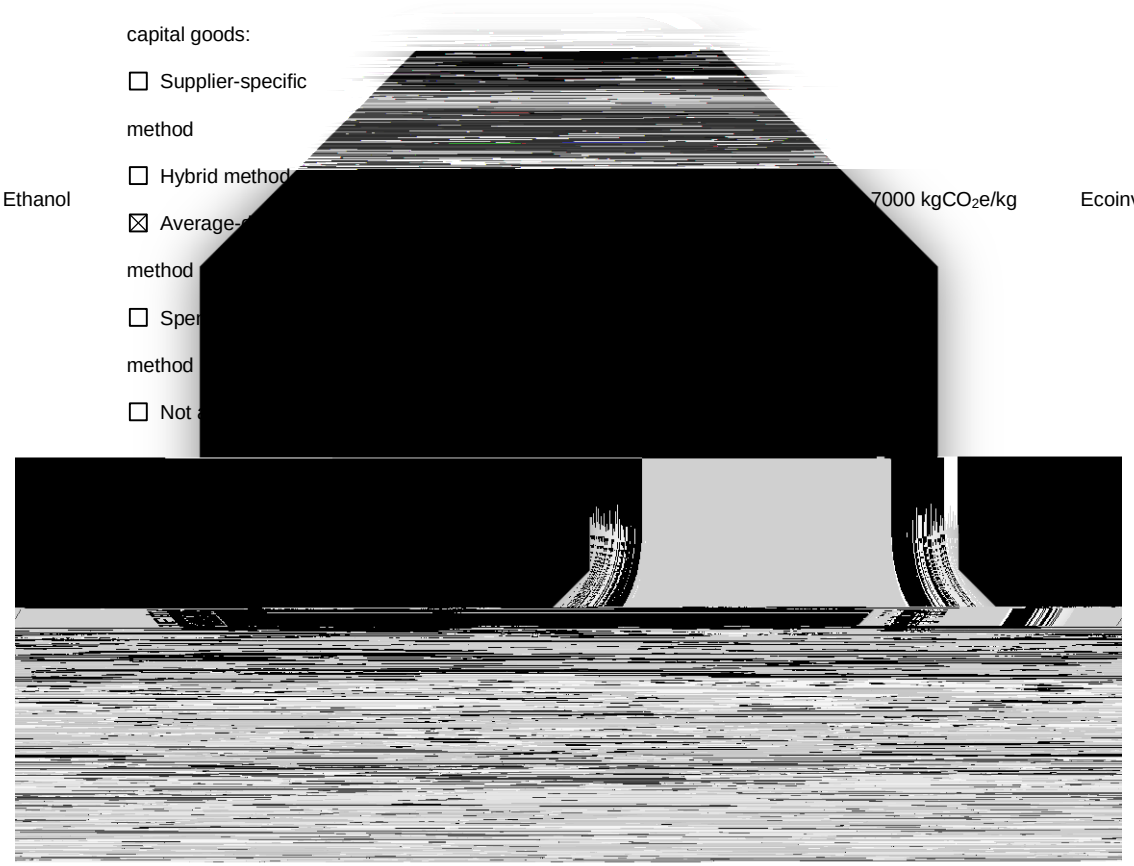


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Rubber	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average-[illegible] method ☐ Spe[illegible] method ☐ Not [illegible]				4168 $kgCO_2e/kg$	Ecoinvent 3.10 database	0.2050
	Purchased raw material	Argon gas	☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	61776.93	kg	Raw material acquisition record	2.5263 $kgCO_2e/kg$		

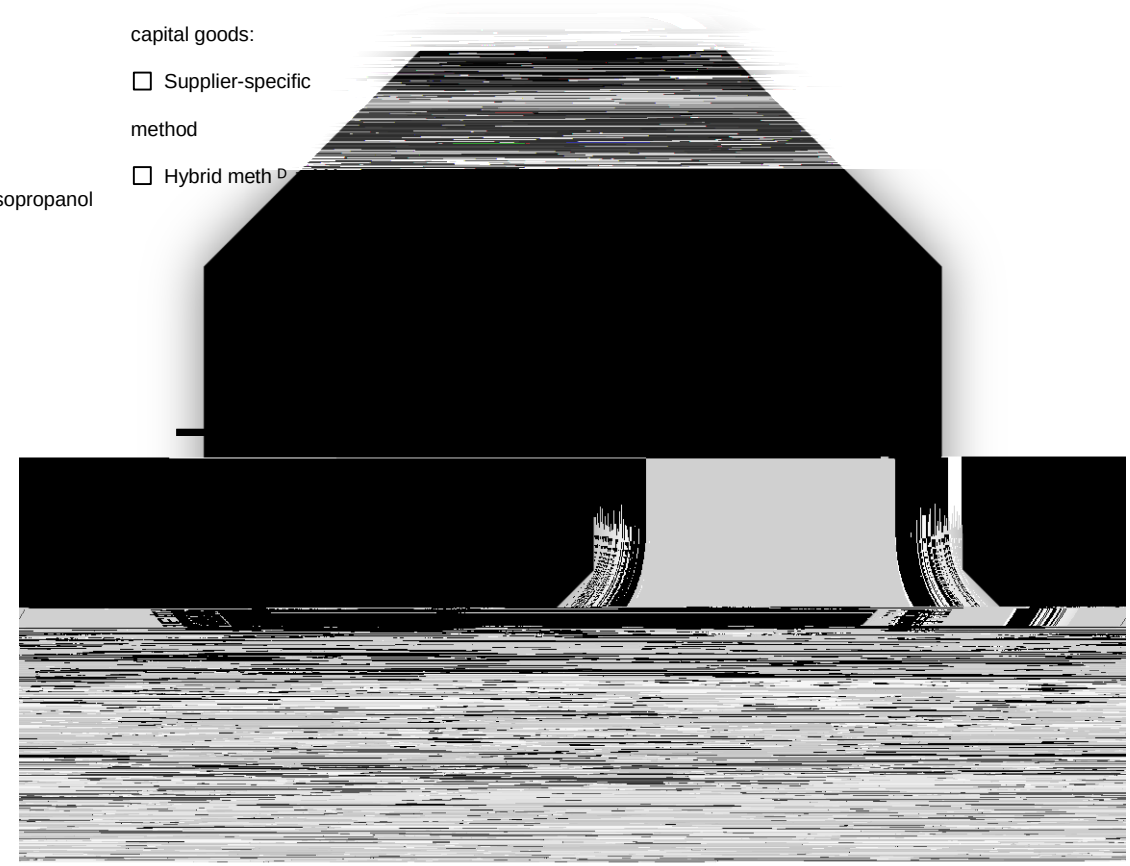
Emission categories	Emission source	Facilities or process	Accounting method	

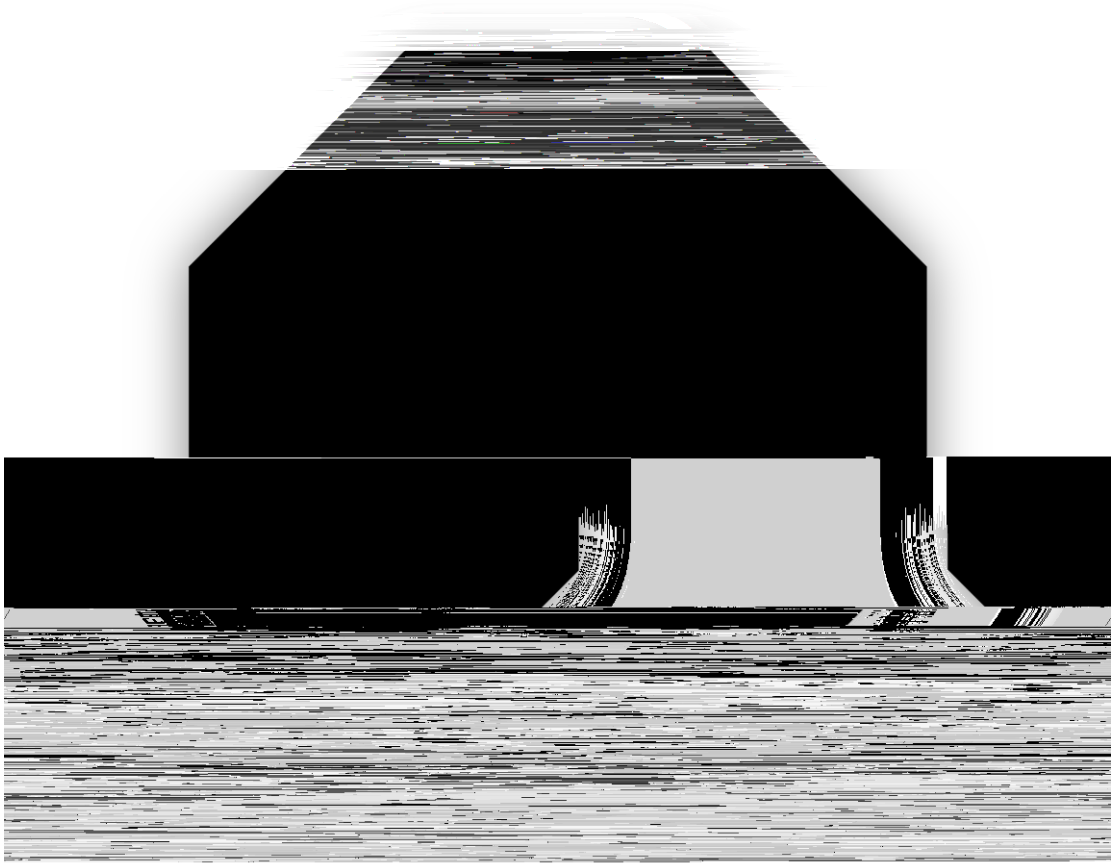


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Ethanol	Goods, services and capital goods: ☐ Supplier-specific method ☐ Hybrid method ☒ Average- method ☐ Spe method ☐ Not				7000 $kgCO_2e/kg$	Ecoinvent 3.10 database	0.2310

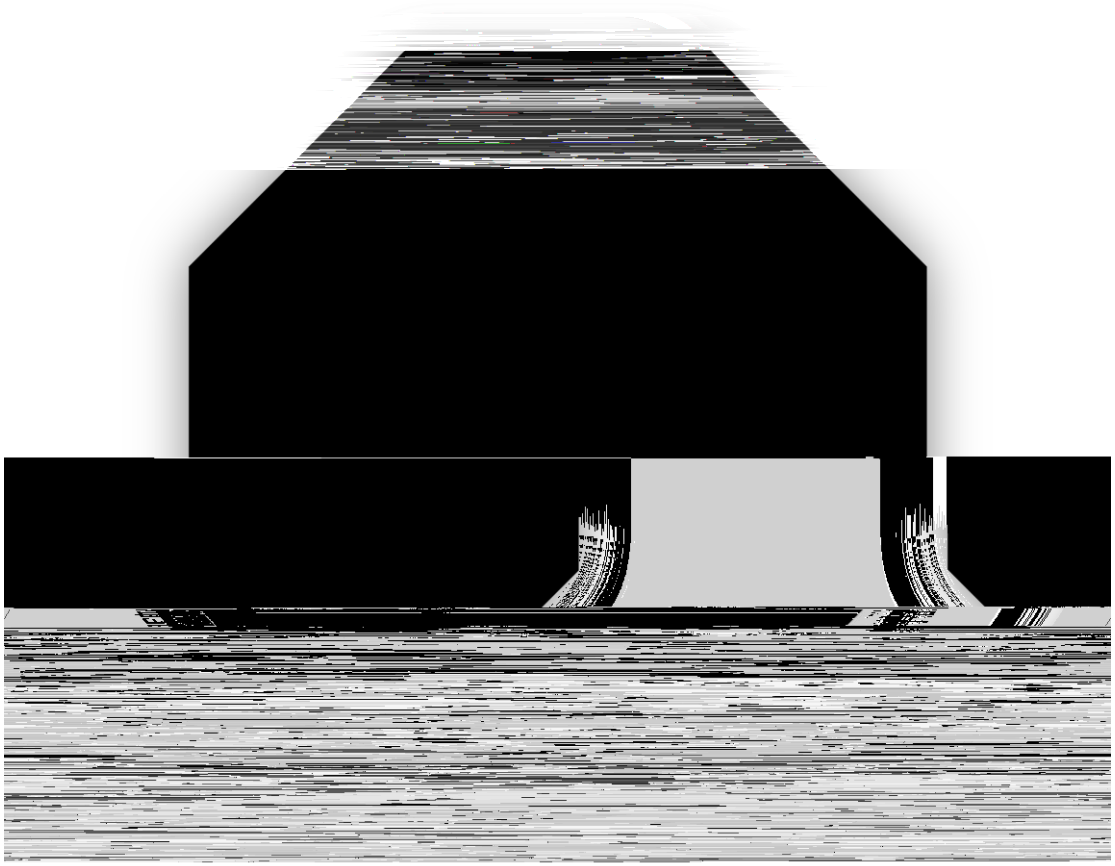


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Purchased raw material	Isopropanol	Goods, services and capital goods: ☐ Supplier-specific method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



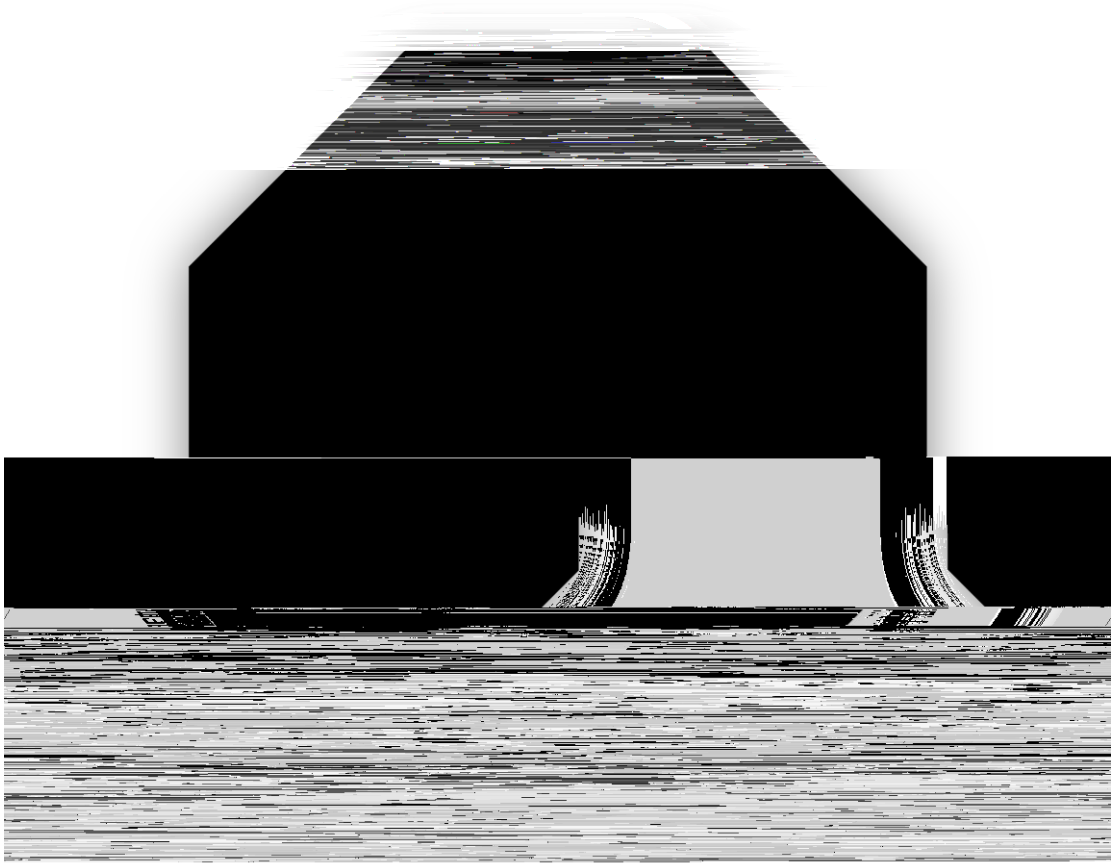


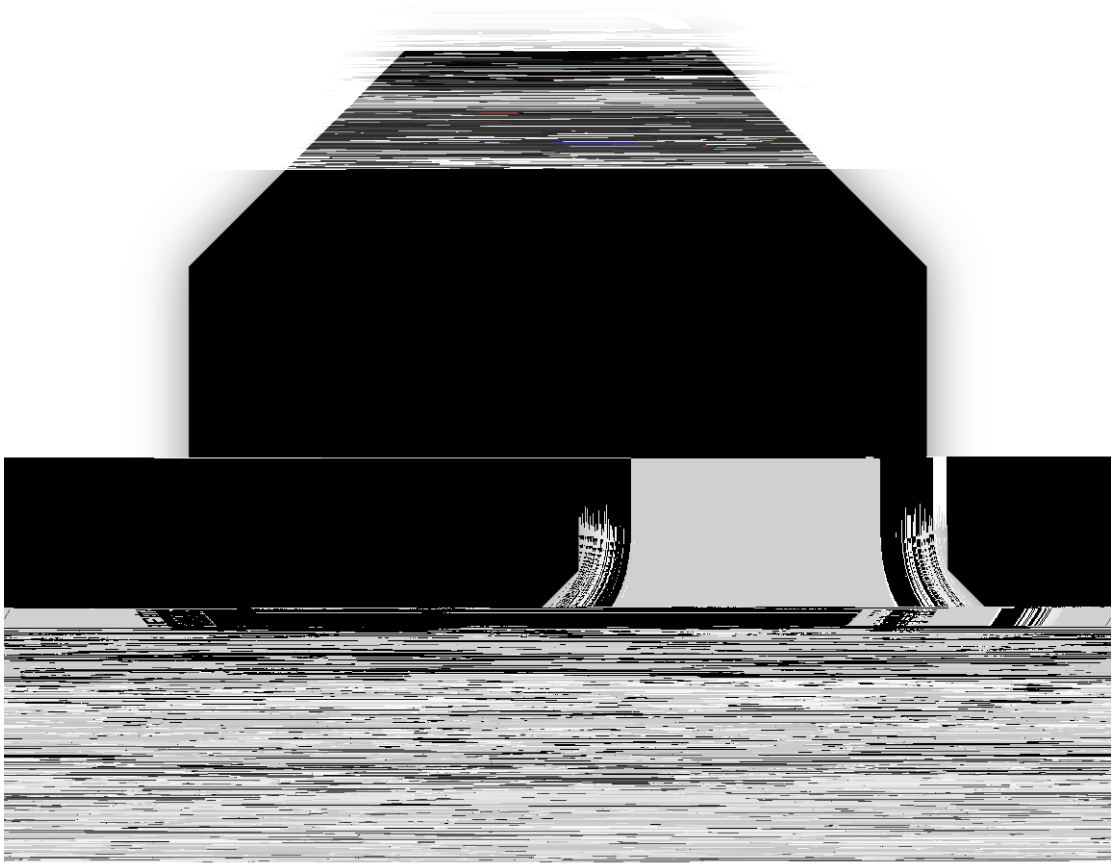
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data



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-[illegible] method ☐ Spe[illegible] method ☐ Not [illegible]				8994 $kgCO_2e/kg$	Ecoinvent 3.10 database	18031.7812
	Purchased raw material	Anode copper strip	Goods, [illegible] ☐ Hybrid method ☒ Average-data method ☐ Spend-based method ☐ Not applicable	7103355.21	kg	Raw material acquisition record	9.1686 $kgCO_2e/kg$	Ecoinvent 3.10 database	65677.7334

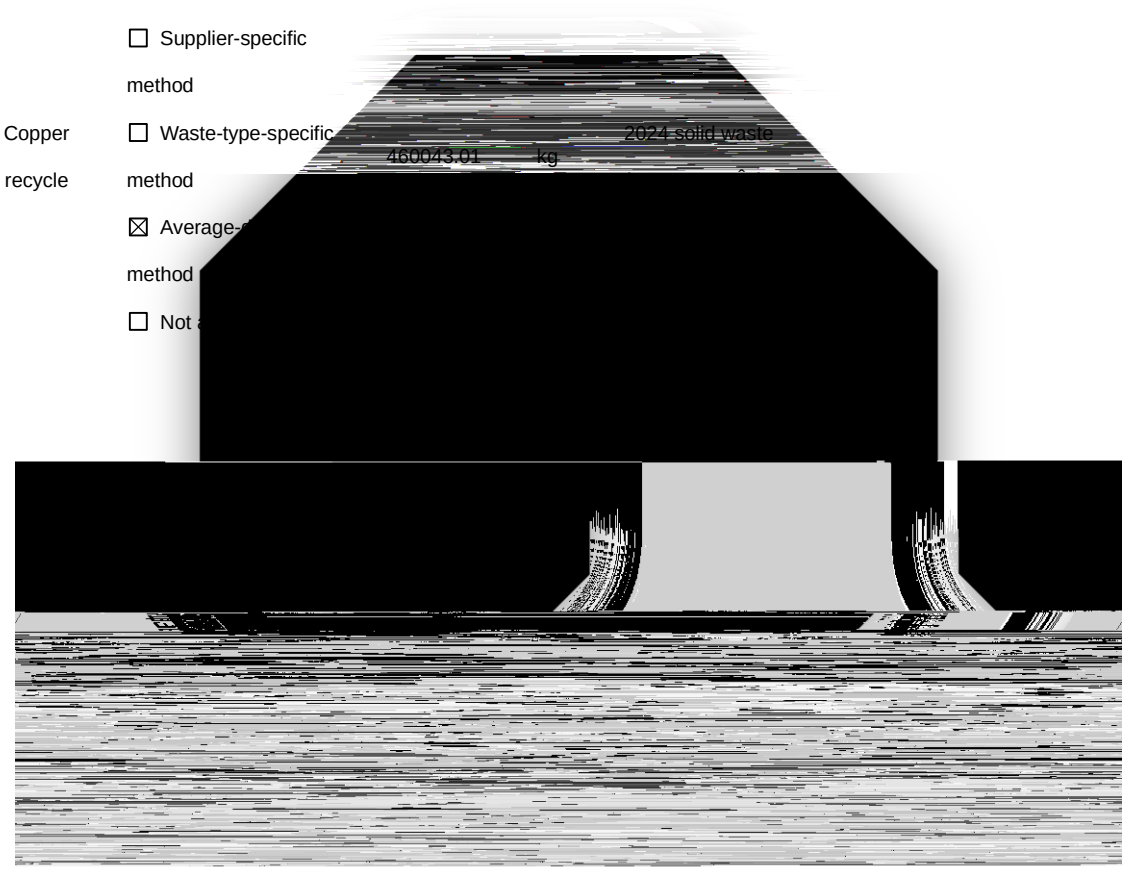
Emission categories	Emission source	Facilities or process	Accounting method	

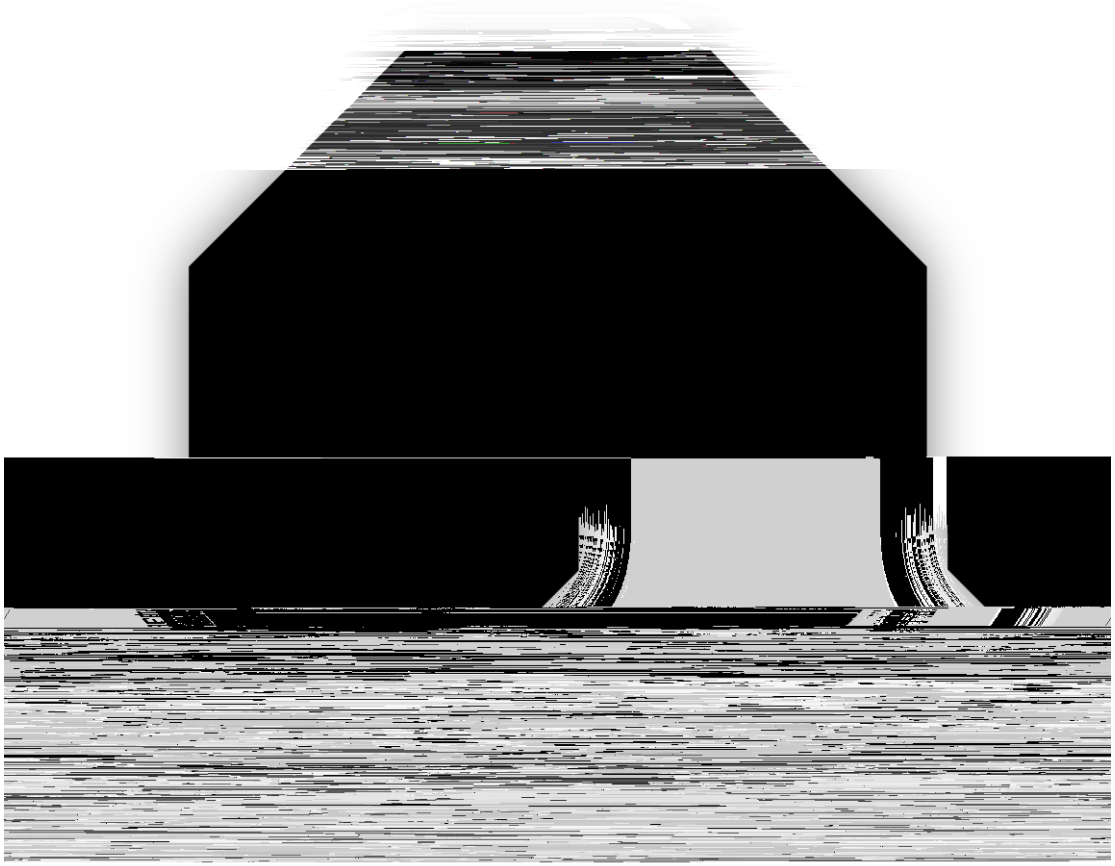




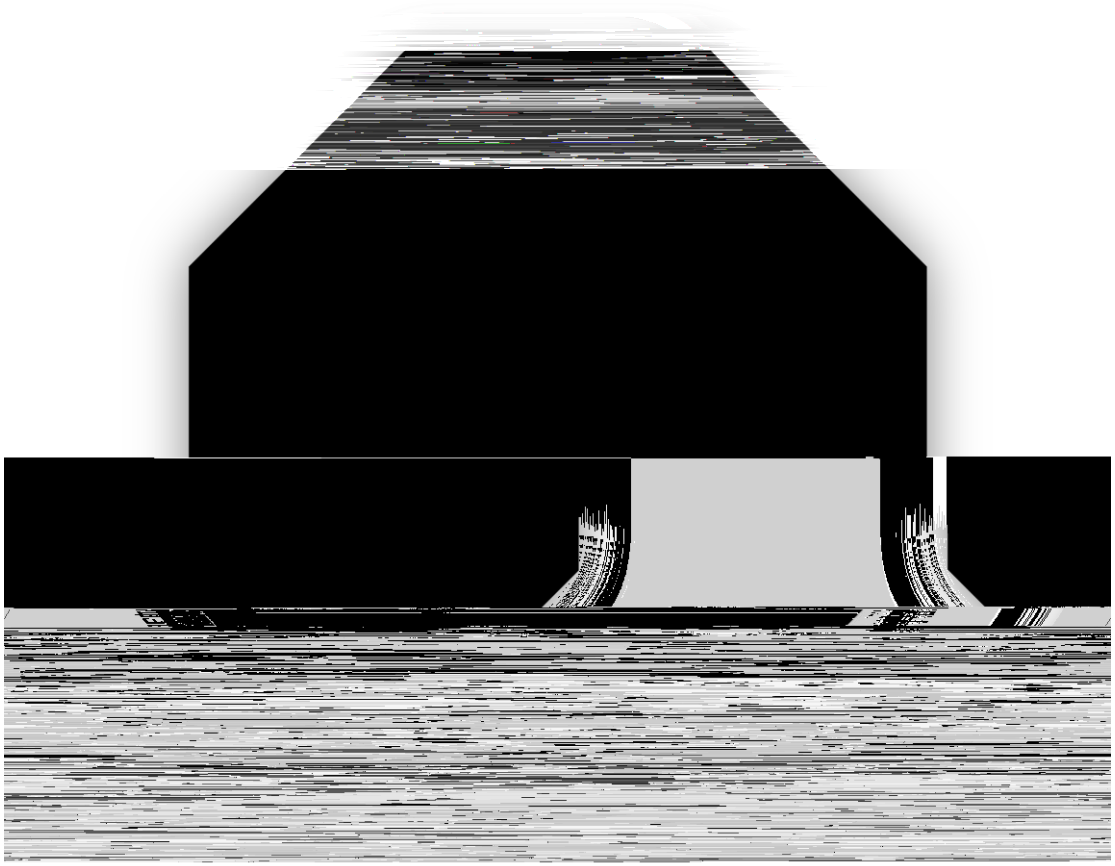
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Solid waste treatment	Cable treatment	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	305569.77	kg	2024 solid waste	0.9103 $kgCO_2e/kg$	Ecoinvent 3.10 database	278.1685
	Solid waste treatment	Stee[illegible]	Waste: ☐ Supp[illegible] method [illegible] method ☐ Not applicable			024 solid waste ventory record	0.00[illegible] kgC[illegible]	nvent 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-[illegible] method ☐ Not [illegible]	460043.01	kg	2024 solid waste [illegible]			



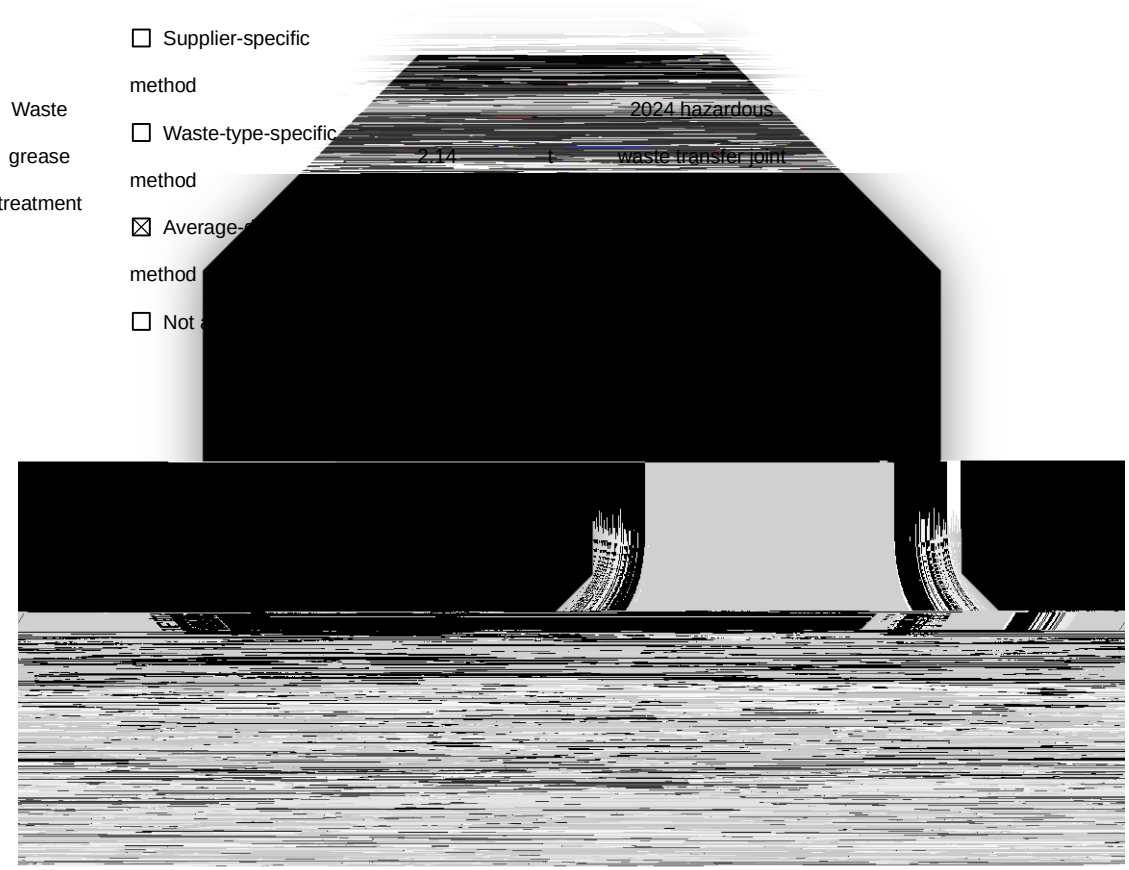


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)

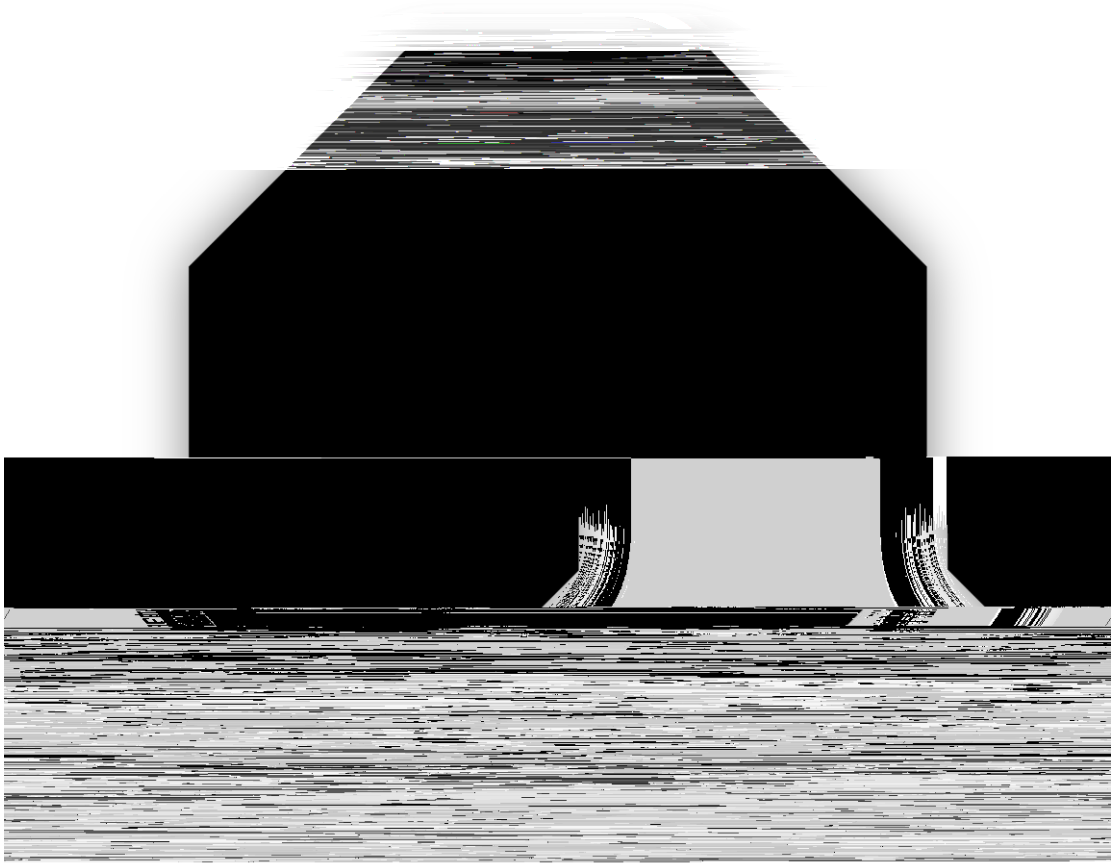


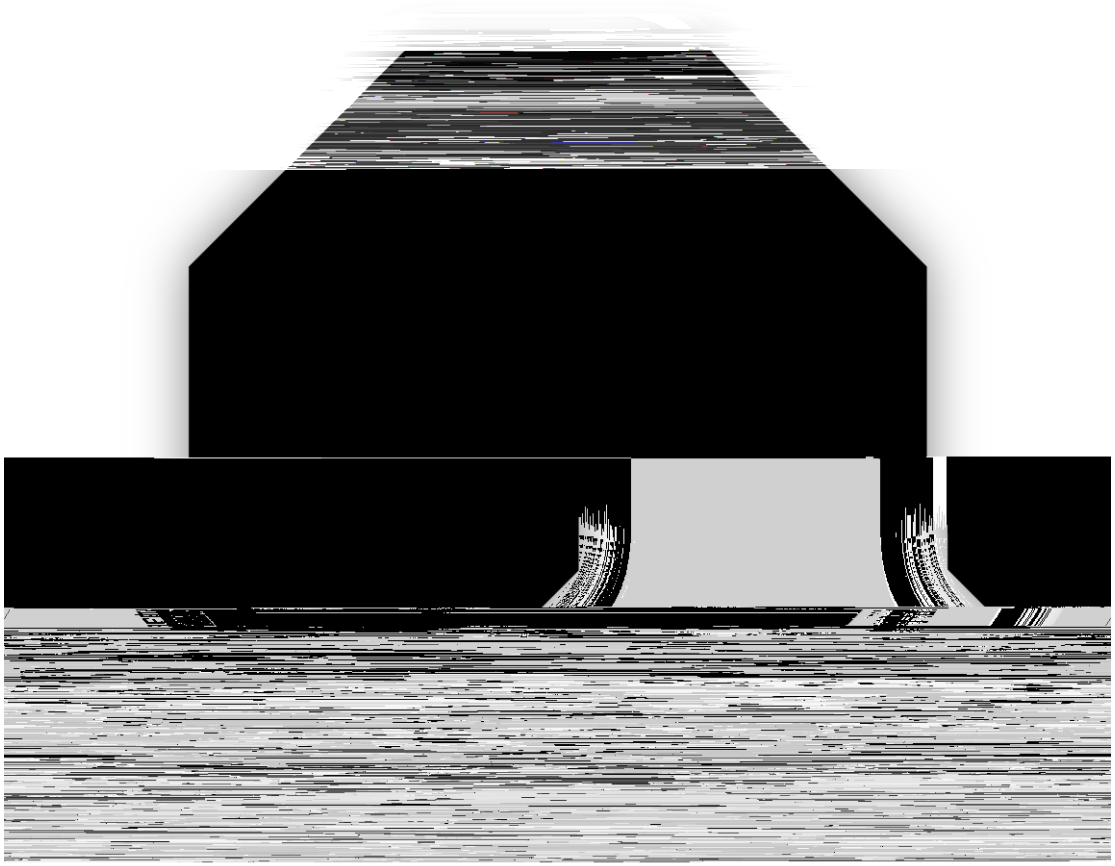
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Hazardous waste treatment	Waste bucket treatment	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	3.95	t	2024 hazardous waste transfer joint	2.5237 $kgCO_2e/kg$	Ecoinvent 3.10 database	9.9659
	Hazardous waste treatment	Sa[illegible] tre[illegible]	Waste: ☐ Supp[illegible] method [illegible] method ☐ Not applicable	[illegible]	[illegible]	024 hazardous ste transfer joint order	2.52[illegible]	nvent 3.10 database	5.7539

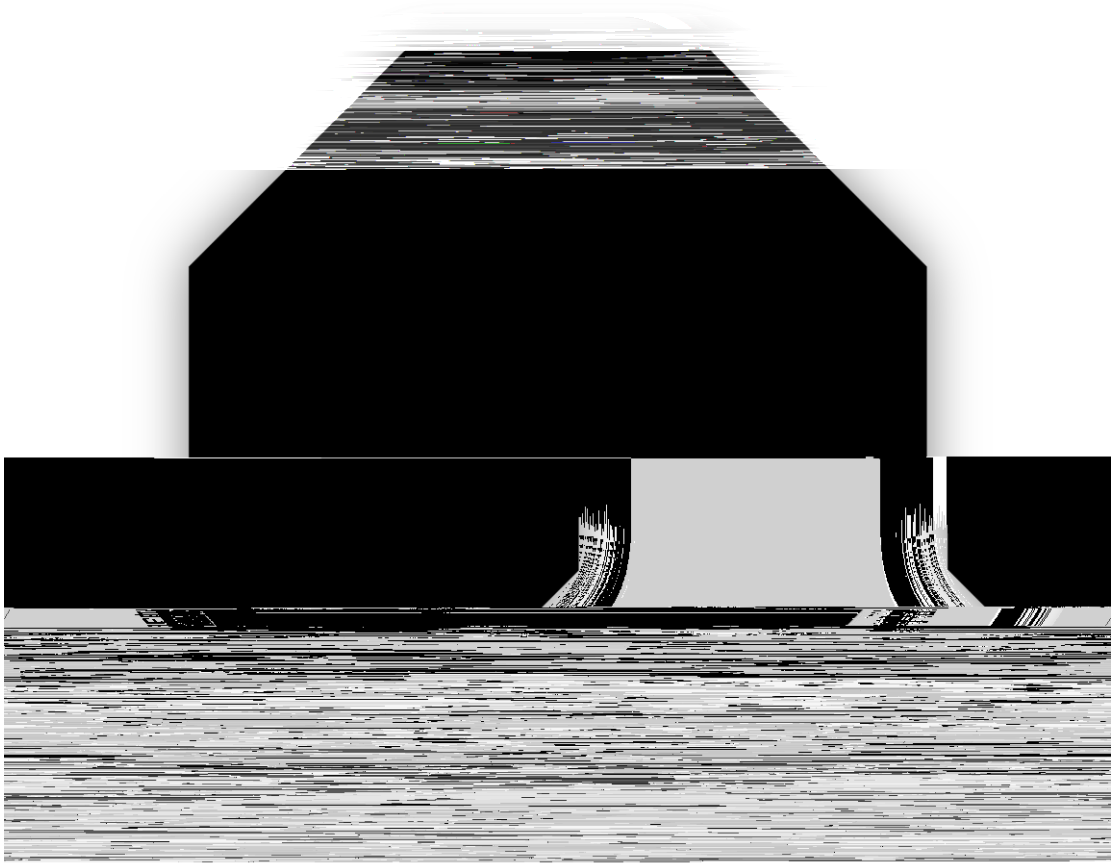
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Hazardous waste treatment	Waste grease treatment	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	2.14	t	2024 hazardous waste transfer joint			



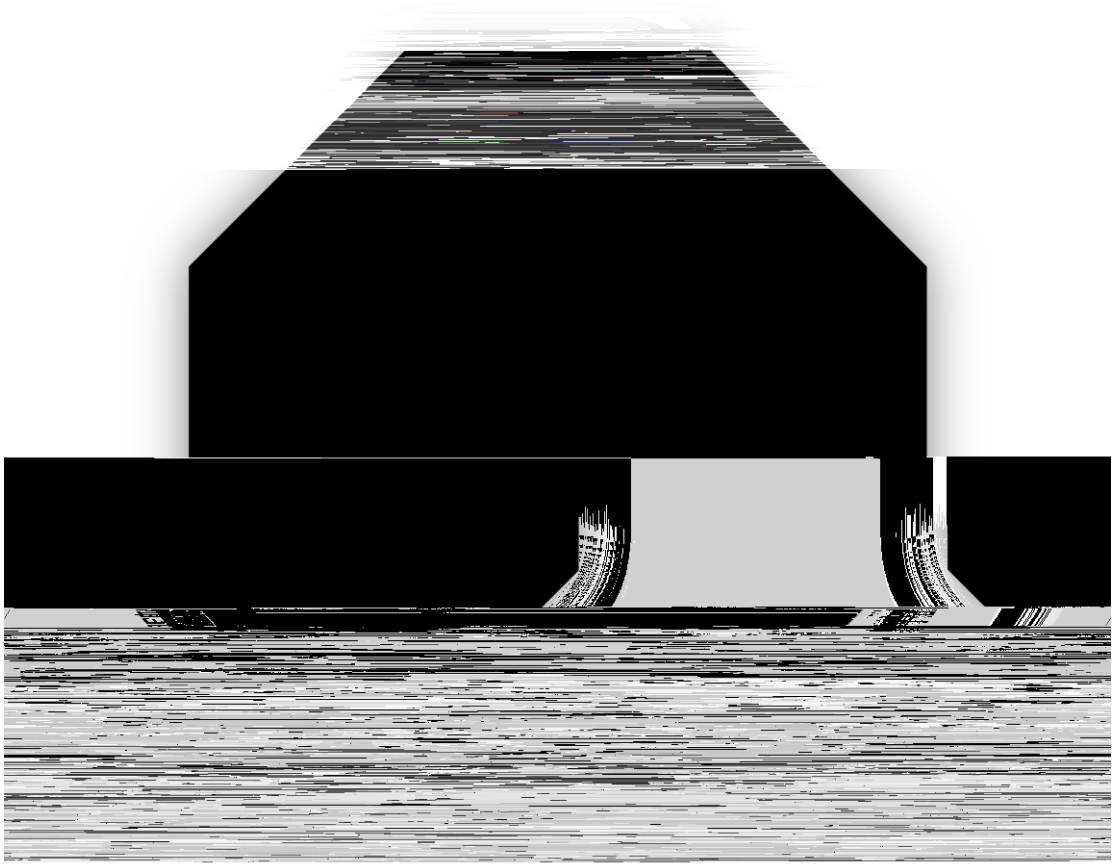
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor



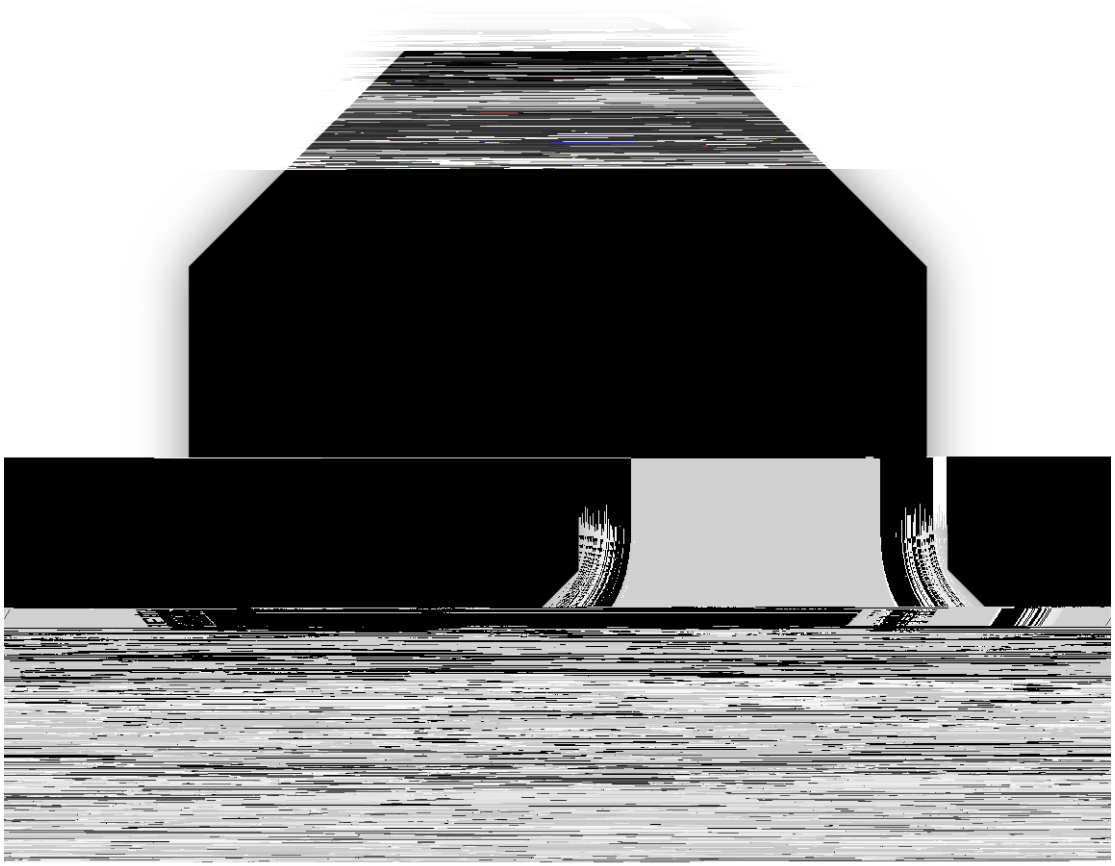




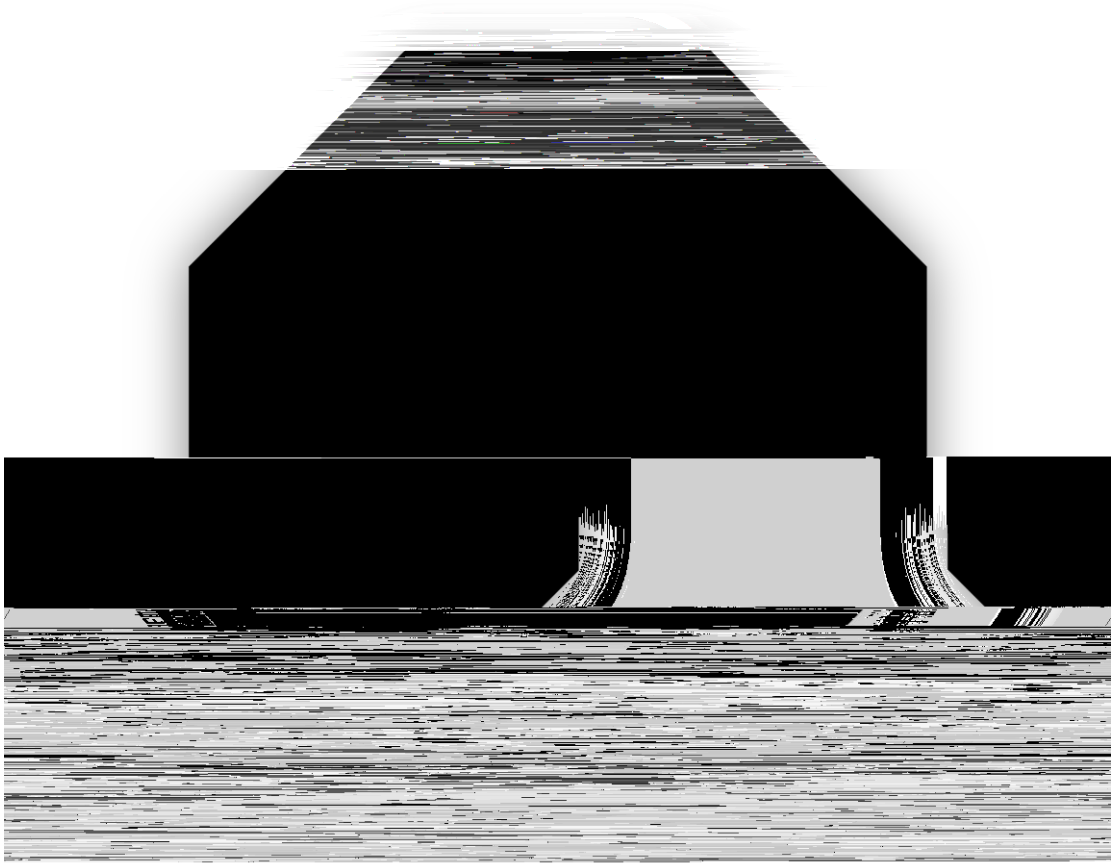
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	



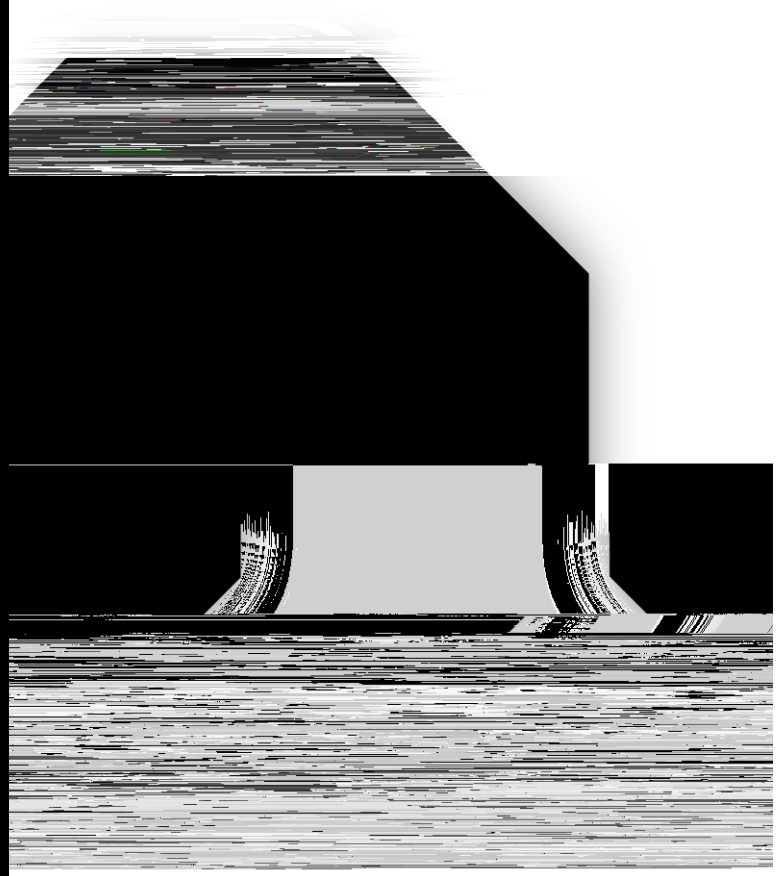
Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Product disposal	Waste electronic component	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	743444.20	kg	Raw material	1.0655 $kgCO_2e/kg$	Ecoinvent 3.10 database	792.1635
	Product disposal	Was[illegible]	Waste: ☐ Supp[illegible] method ☐ Not applicable			Raw material quisition record	0.01[illegible]gC[illegible]	nvent 3.10 database	34.6067

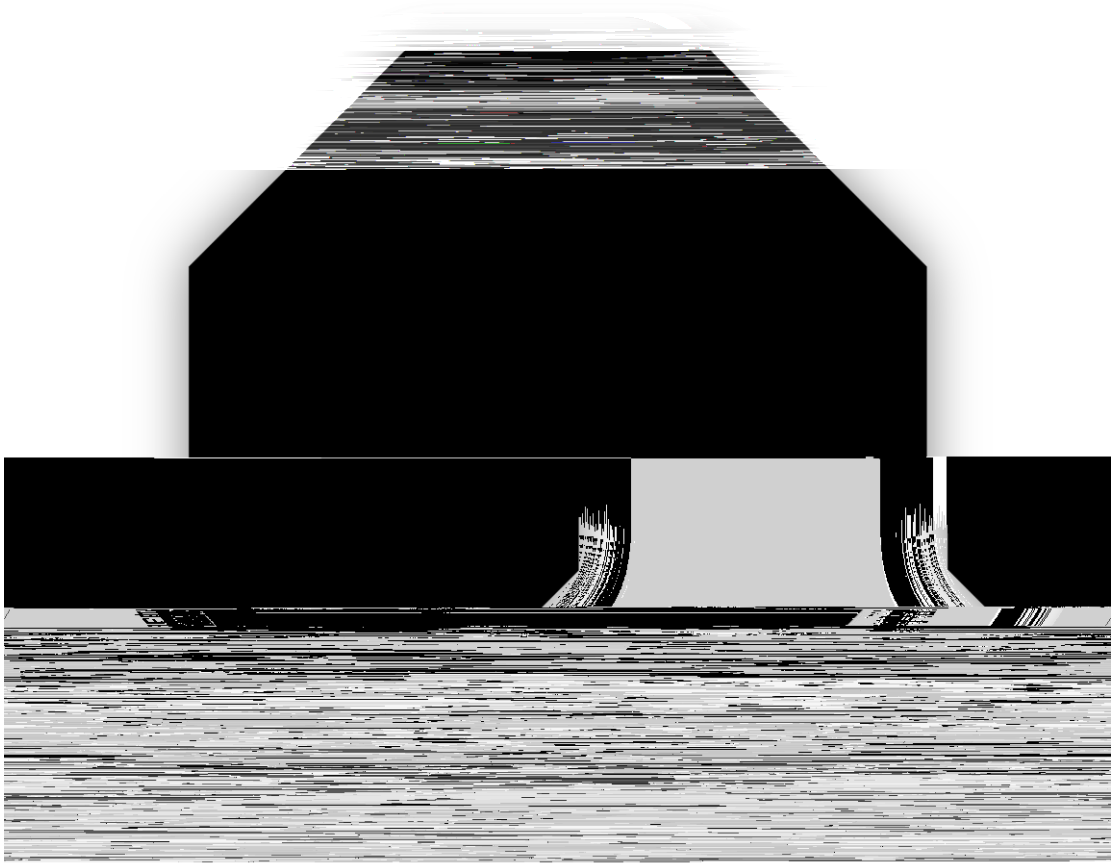


Emission categories	Emission source	Facilities or process	Accounting method	Activity data	Unit	Source of activity data	Emission factor/Mass balance coefficient	Source of activity data	GHG emission (tCO_2e)
	Product disposal	Waste steel	Waste: ☐ Supplier-specific method ☐ Waste-type-specific method ☒ Average-[illegible] method ☐ Not [illegible]	1802998.94	kg	Raw material	0.0186 $kgCO_2e/kg$	Ecoinvent 3.10 database	33.5421
	Product disposal	V[illegible] alu[illegible]	Waste: ☐ Supp[illegible] method ☐ Supplier-specific method ☐ Waste-type-specific method ☐ Not applicable	[illegible]	[illegible]	Raw material [illegible]quisition record	0.02[illegible] kgC[illegible]	[illegible]nvent 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)

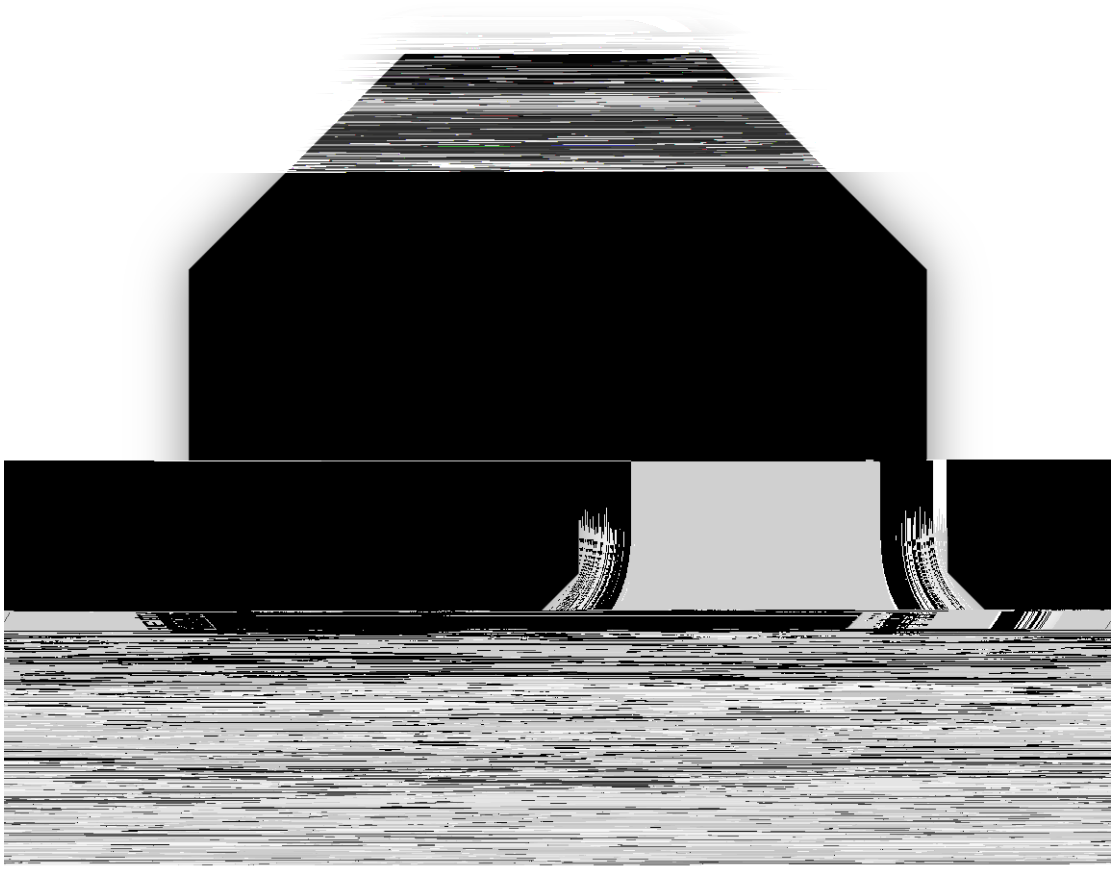




Global warming potential

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:

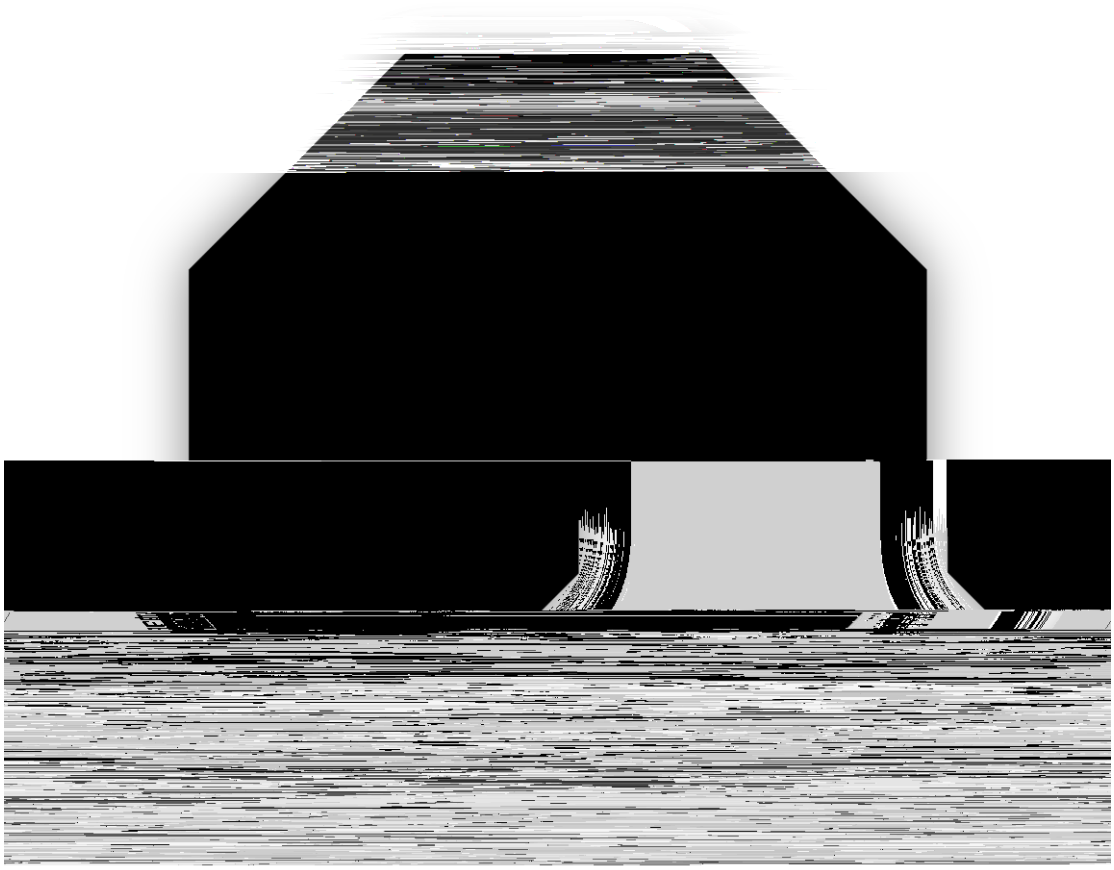
Gas name	Types of greenhouse gases involved in the verification process	Global warming potential
Carbon dioxide	CO_2	1
Methane	CH_4	27.9
Nitrous oxide	N_2O	273

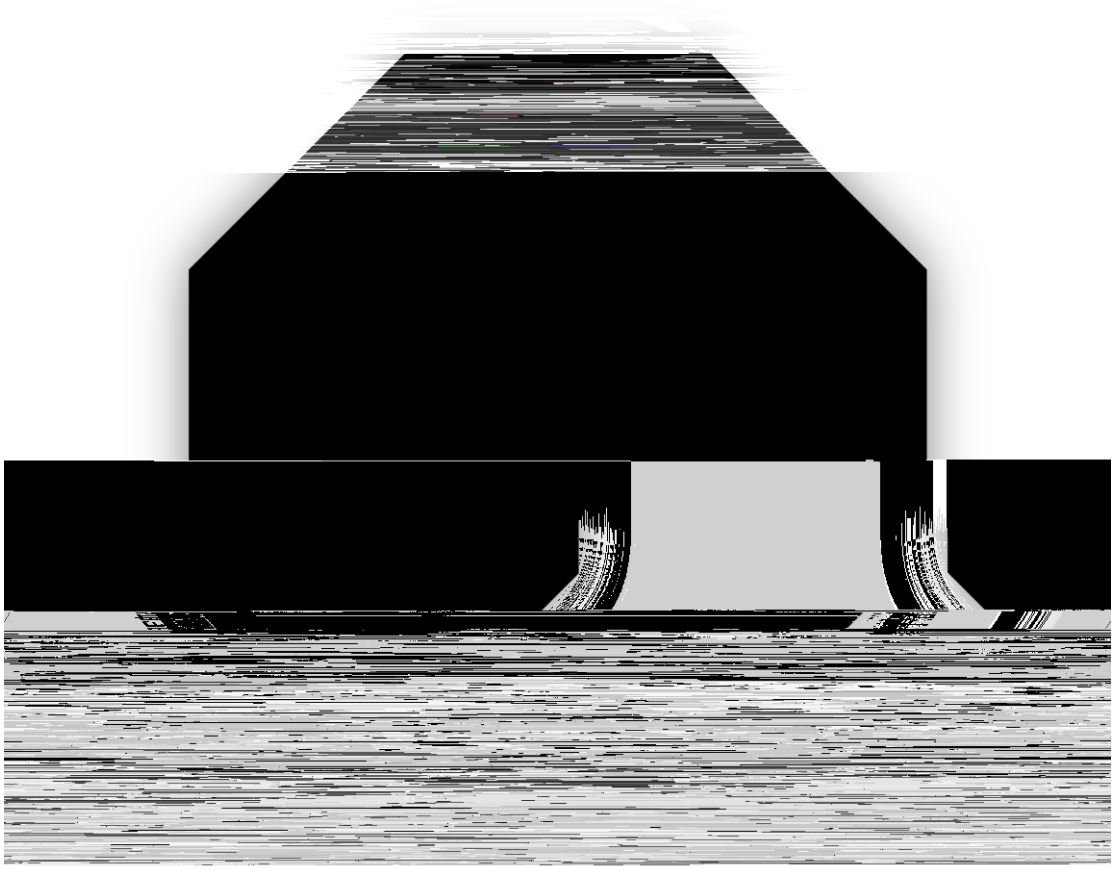


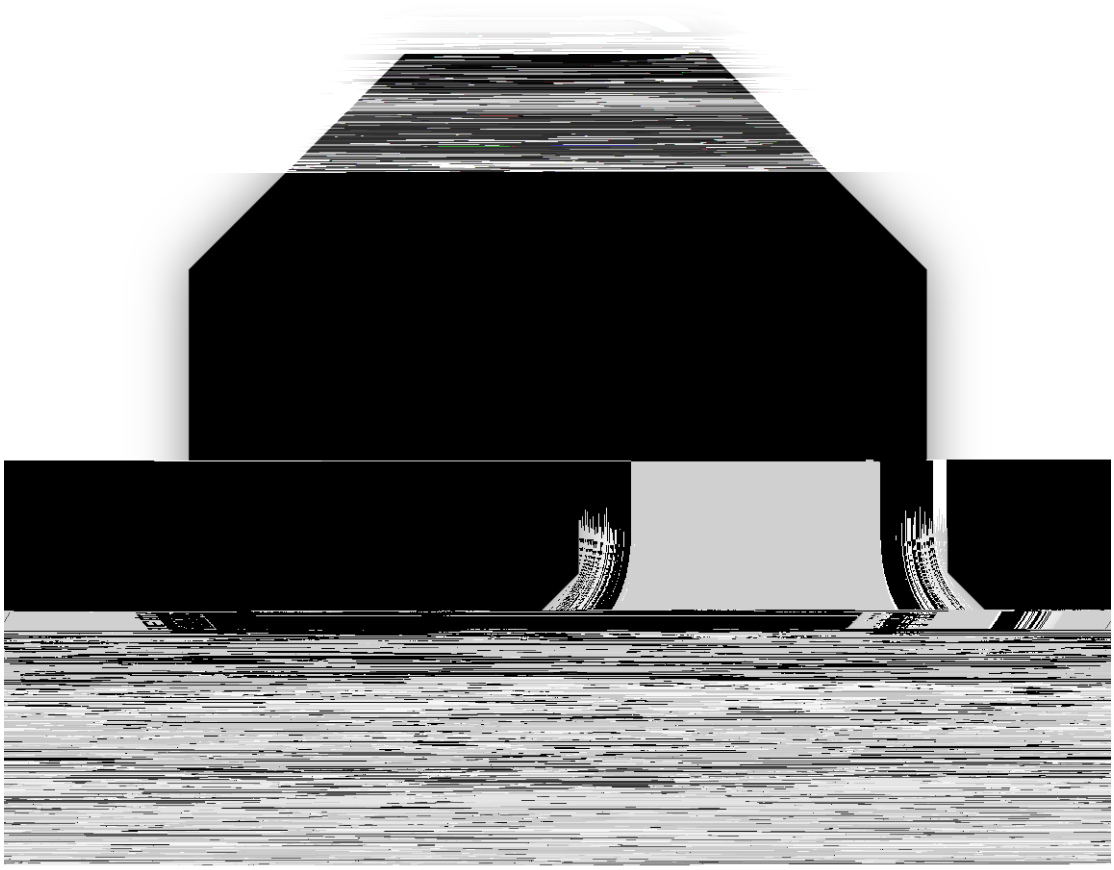
Anthropogenic biogenic CO_2 emissions	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Anthropogenic biogenic other GHG emissions	64.8893	0.0000	0.0000	0.0000	0.0000	0.0000	64.8893
Total	195.3576	7483.0827	23451.2019	432536.2641	35545.1321	0.0000	499211.0385

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 supplier and ign.
Analysis on emissions of different greenhouse gmETQ424	

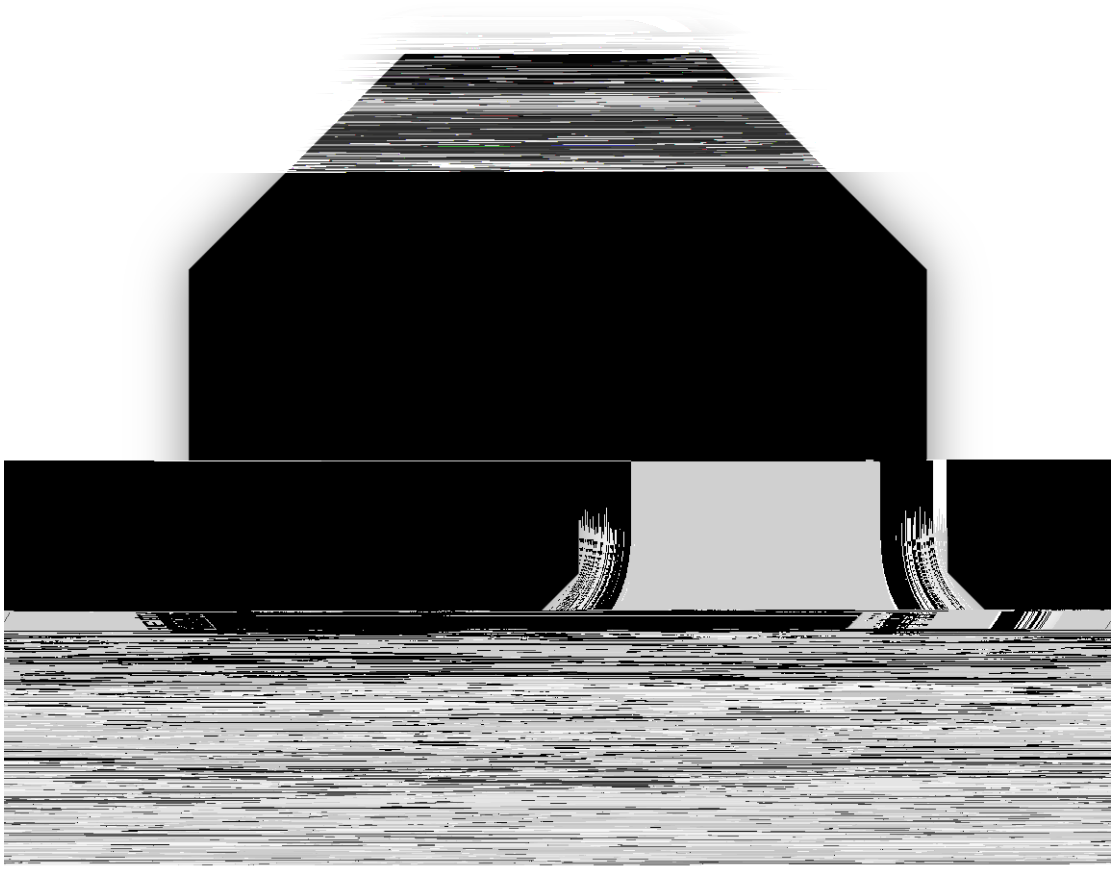


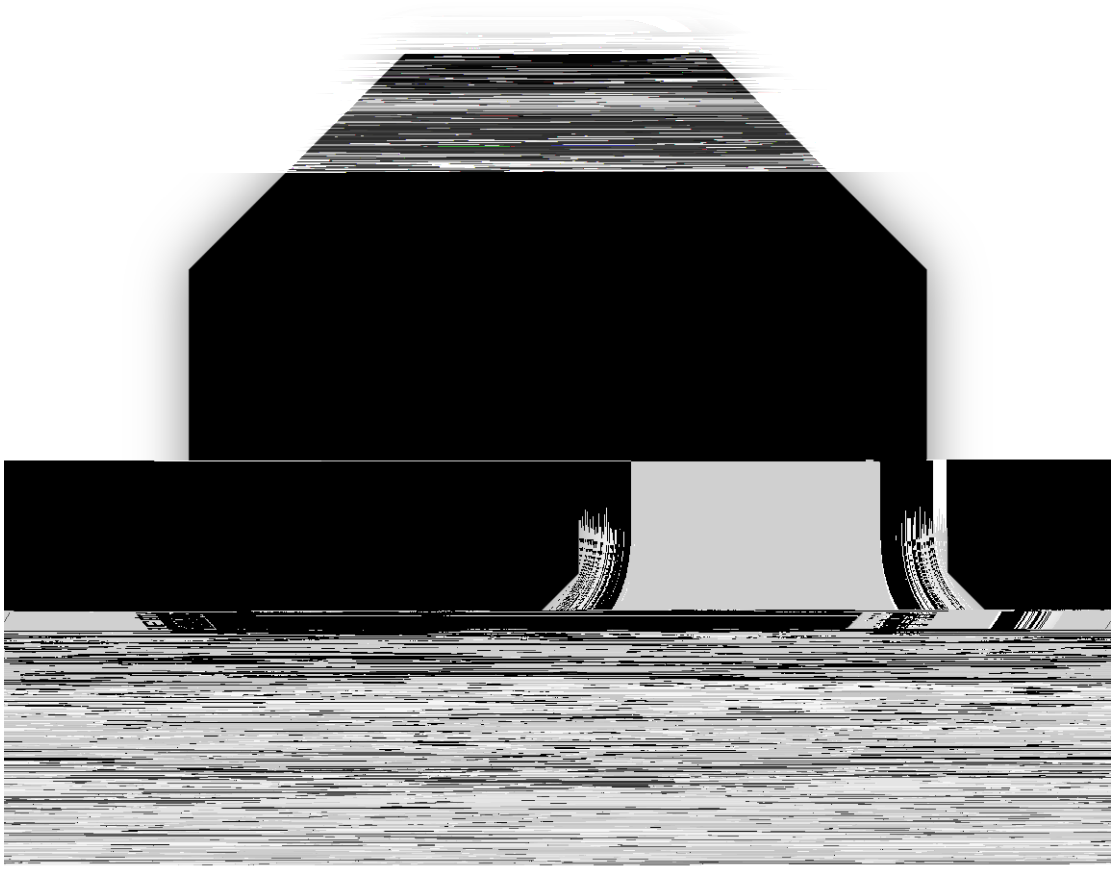




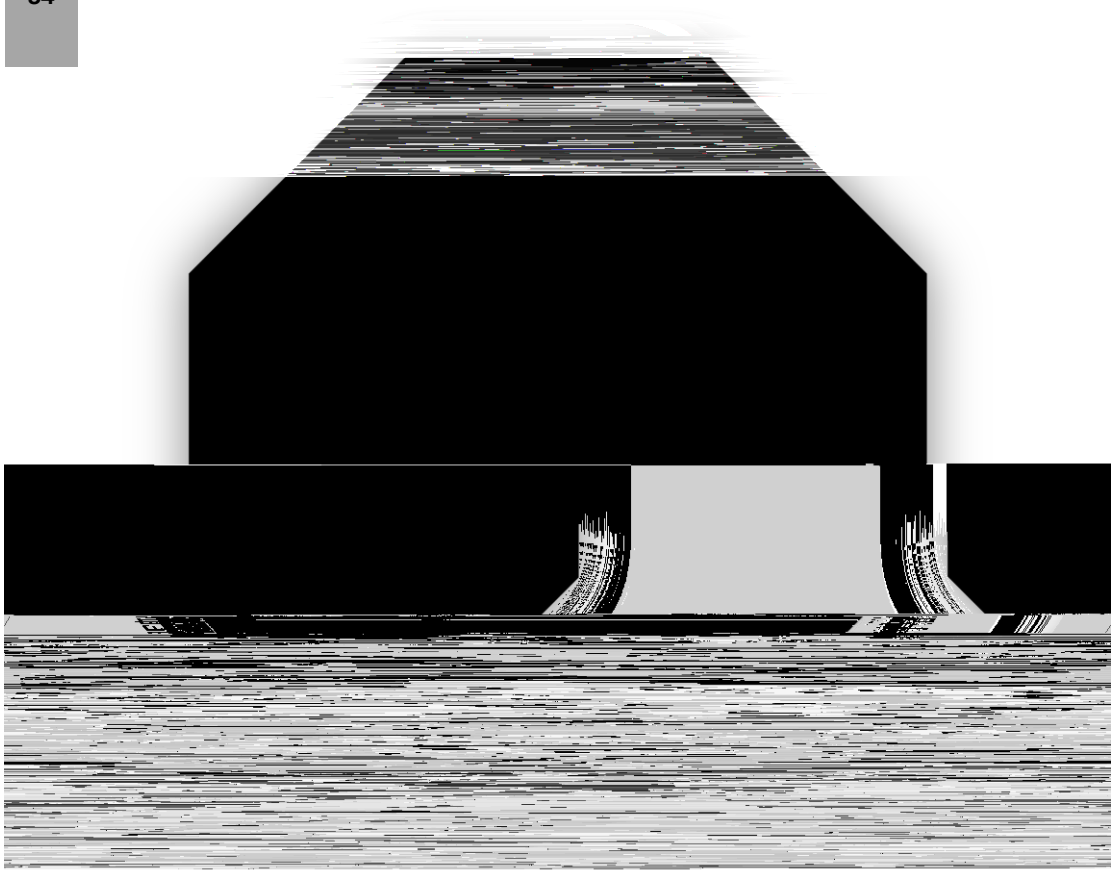


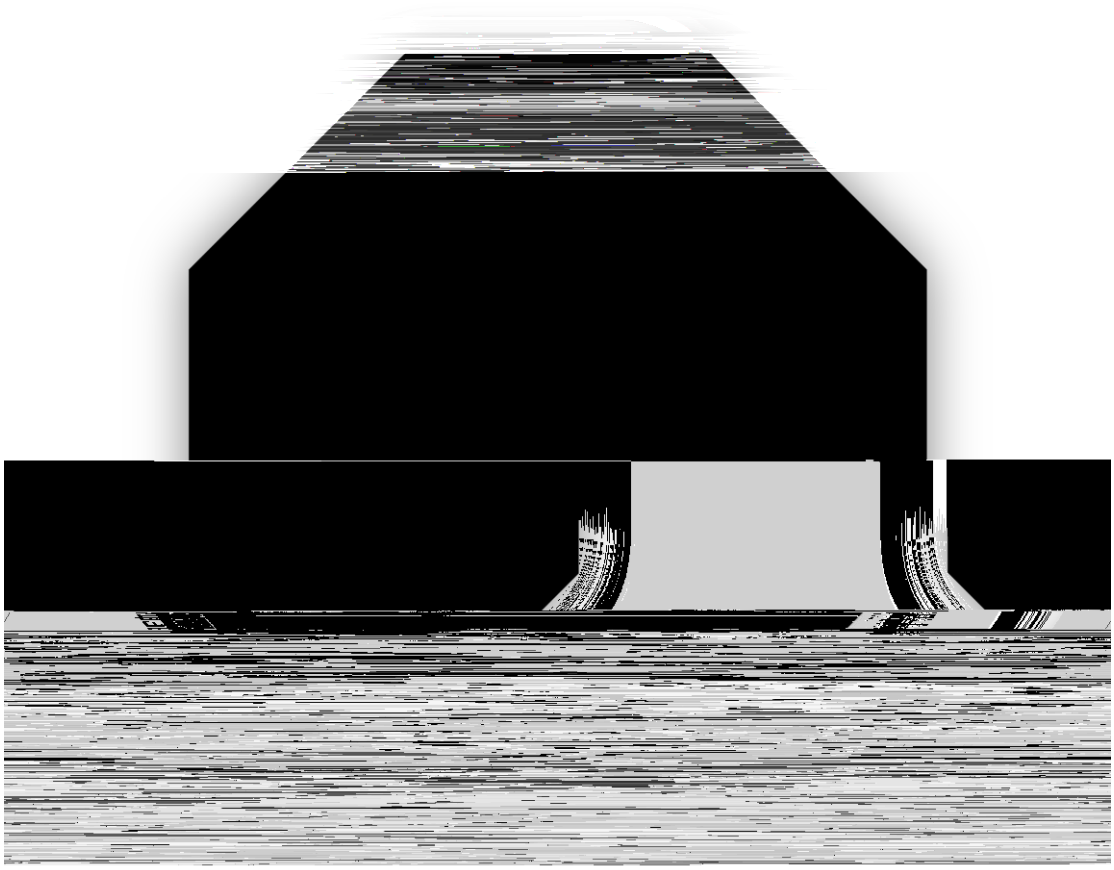
No.	Emission categories	Facilities	Activity





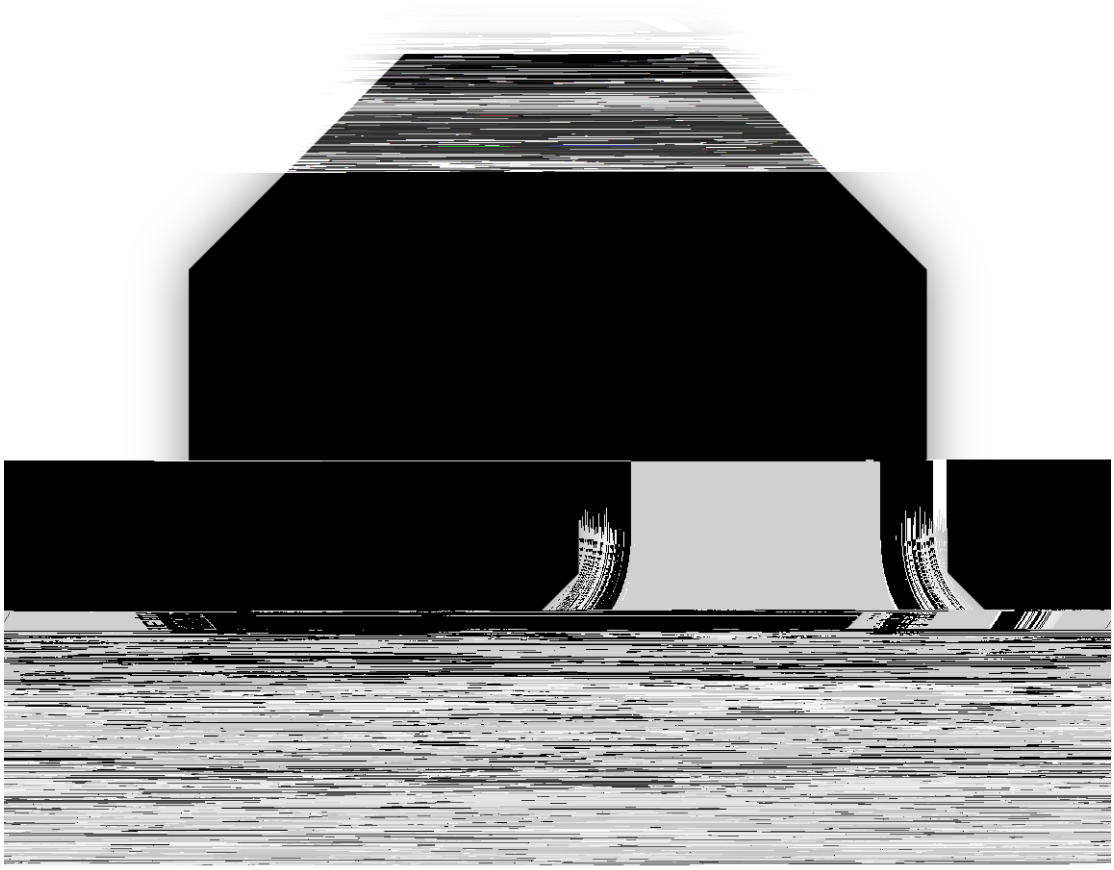
No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
53	Purchased raw material	PET product	3	1	3	2.33	364.9446	0.07%	0.0017
54	û m								

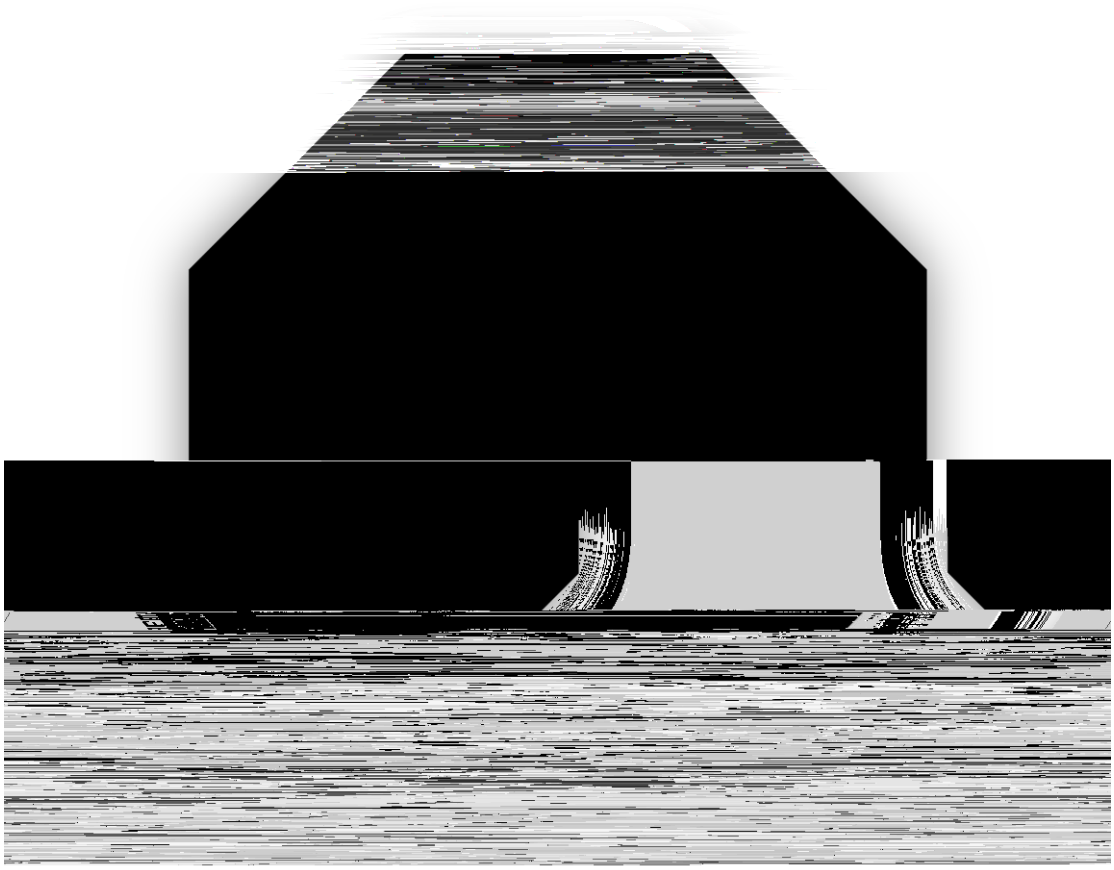




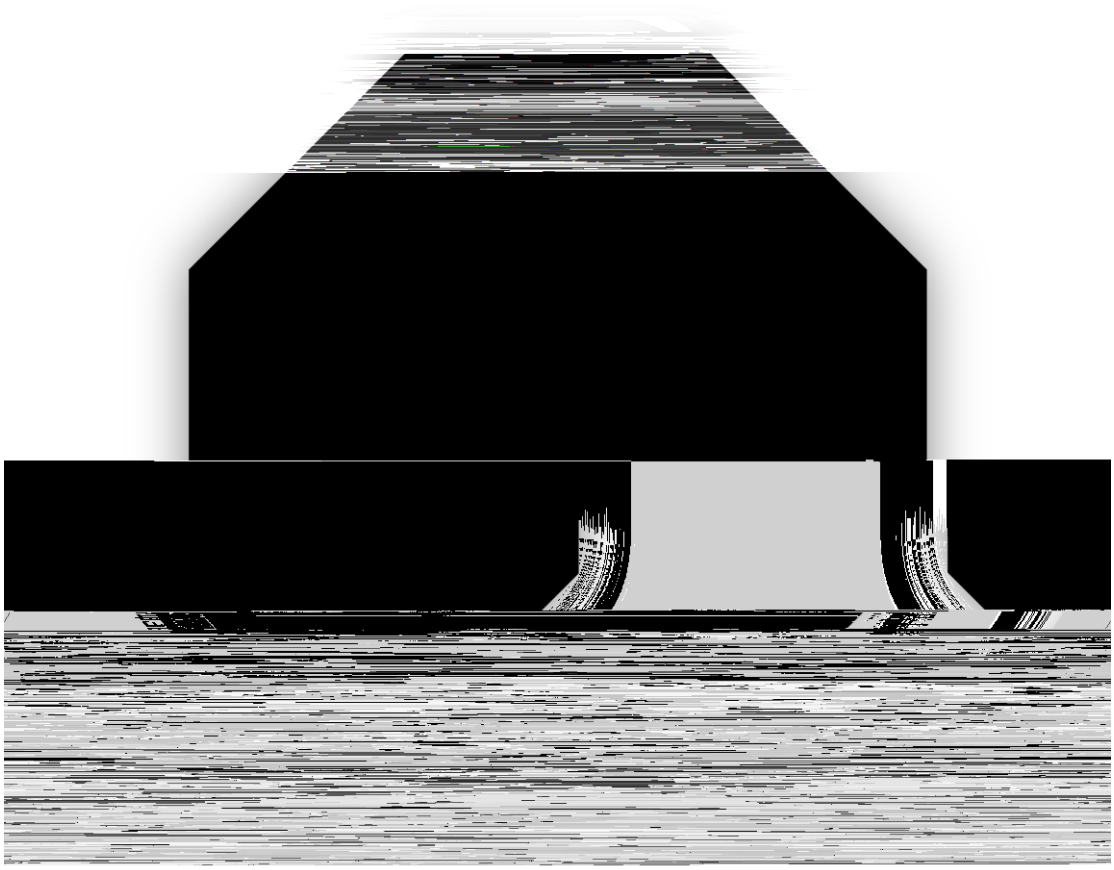
No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
75	Purchased raw material	Optical fiber	3	1	3	2.33	39.6629	0.01%	0.0002
76	Purchased raw material	Carbon 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							00%	0.0000
79	Purchased raw							01%	0.0002
80						2.33	1019.5072		
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 dataA

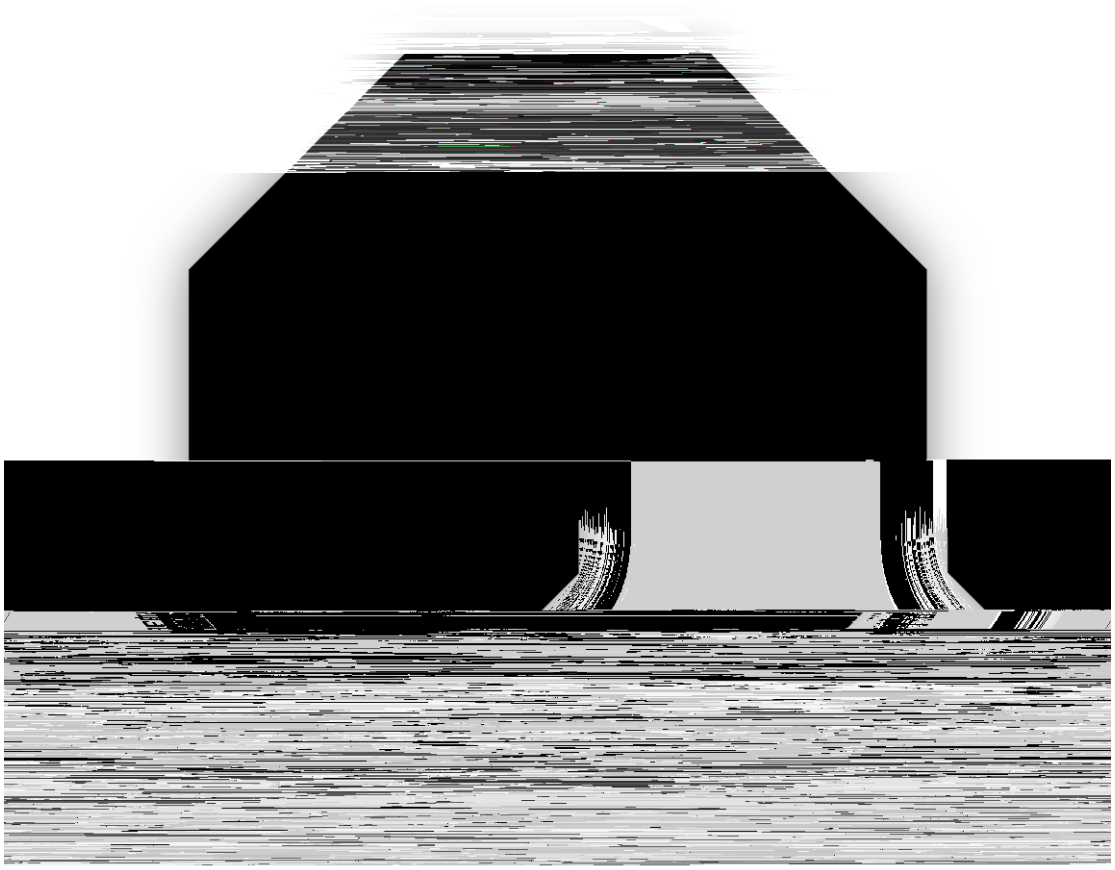




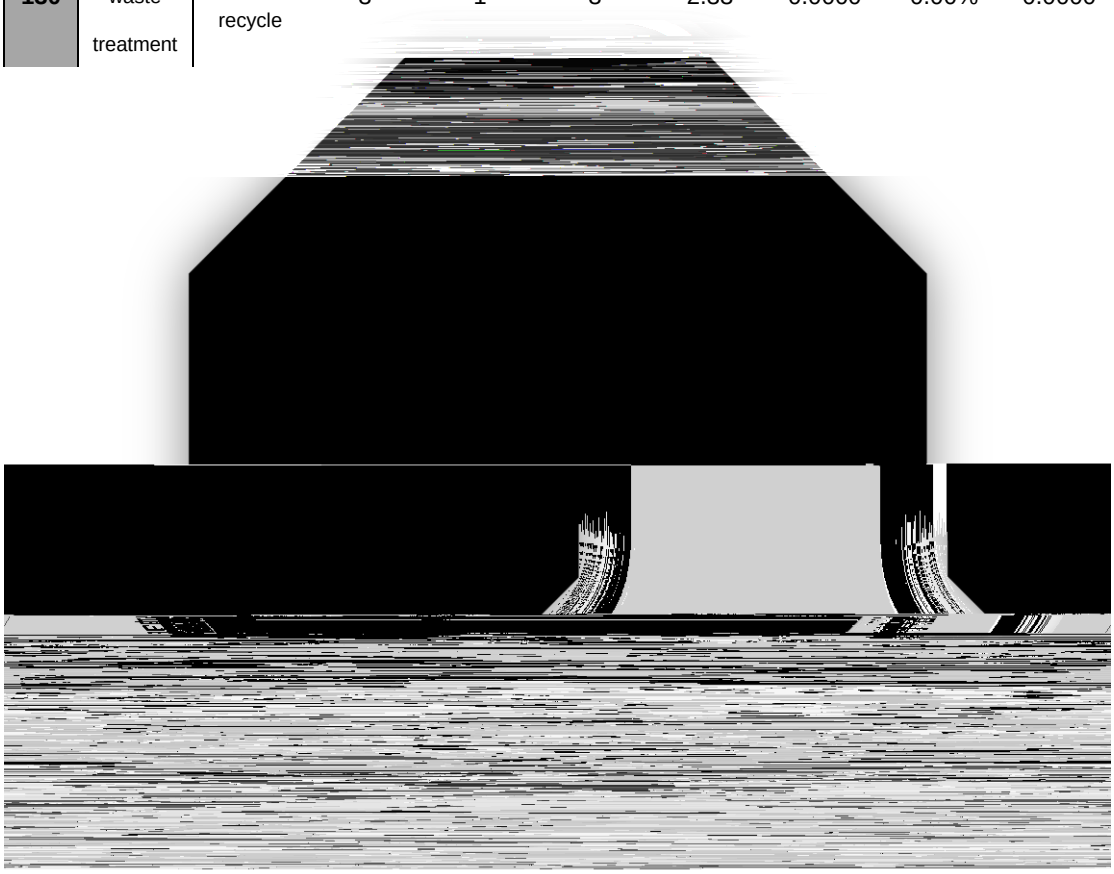
No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	



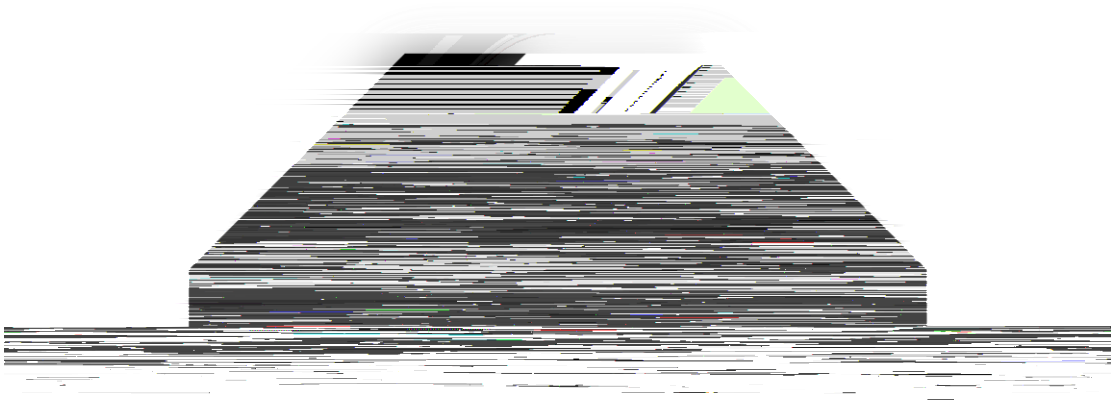
No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
118									

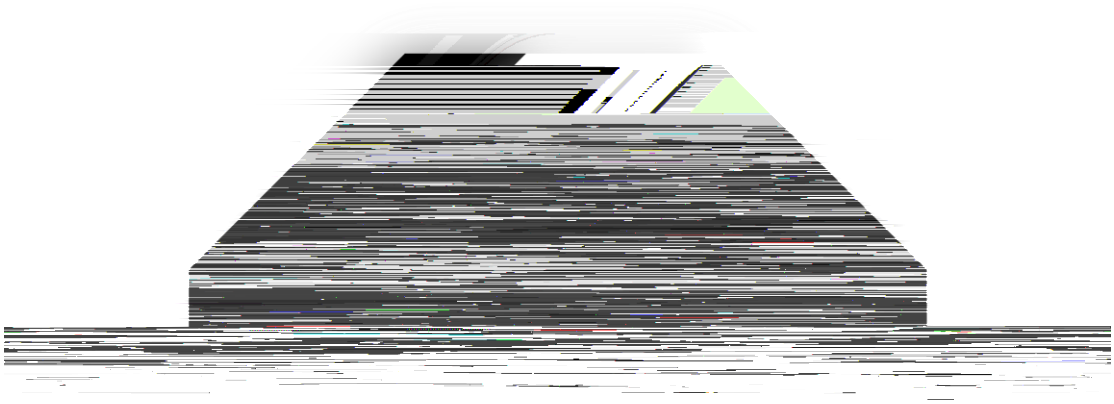


No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrument calibration categories	Average score	Total emission (tCO_2e)	Emission proportion	Weighted average score
129	Solid waste treatment	Cable treatment	3	1	3	2.33	278.1685	0.06%	0.0013
130	Solid waste treatment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



No.	Emission categories	Facilities	Activity data categories	Emission factor categories	Instrum





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

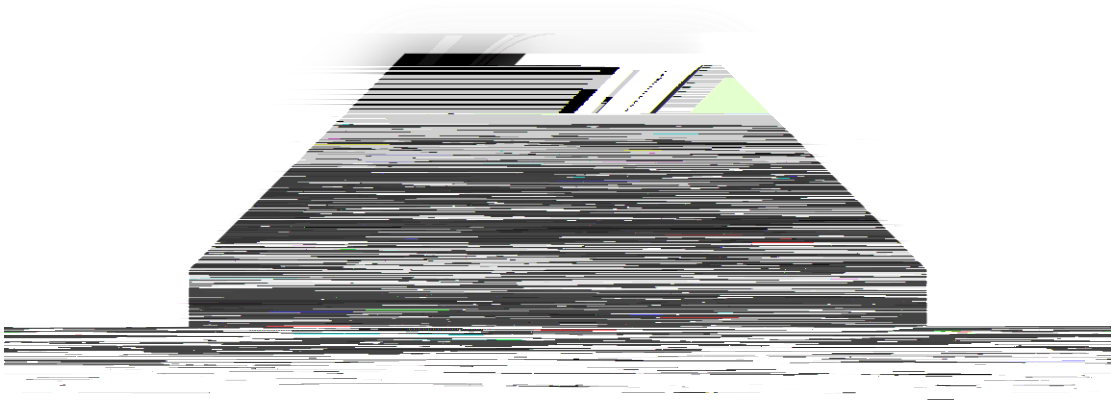
Material discrepancy
After verification, the total greenhouse gas emissions of the responsible party at the organizational level in 2024-01-01~2024-12-31 were 499211.0385 tCO_2e, and the emissions reported by the greenhouse gas inventory were 499211.0385 tCO_2e. Therefore, the material deviation claimed 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 or3(Sp)3(211ó)3(3(Sp)3(211ó).eD148Ar*



Verification team qualifications:

Team leader Johny Wang:

