

**footprint** intelligence

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Papaya Films

# Climate Report 2023





# Introduction

This report provides an overview of the methodology used to calculate greenhouse gas (GHG) emissions of Papaya Films in accordance with the Greenhouse Gas Protocol. The Protocol is the leading international standard for quantifying and reporting GHG emissions and provides a robust and transparent framework for calculating and reporting emissions from various sources.



GREENHOUSE  
GAS PROTOCOL

By following the guidelines of the GHG Protocol Standard, this report aims to provide an accurate and reliable representation of the GHG emissions of Papaya Films.

## Scope of Emissions

To effectively delineate direct and indirect emission sources, improve transparency, and provide utility for different types of organizations and business goals, three scopes are defined for GHG accounting and reporting purposes.

### SCOPE 1

Direct emissions from sources that are owned or controlled by the reporting entity.

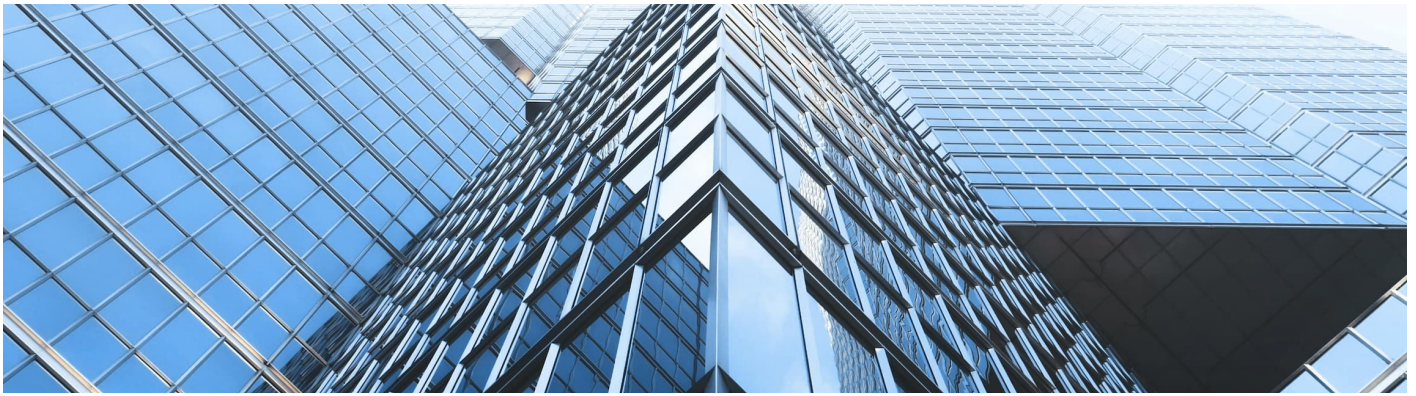
### SCOPE 2

Indirect emissions from the generation of electricity, heat, or steam consumed by the reporting entity.

### SCOPE 3

Other indirect emissions from the production of goods and services consumed by the reporting entity but are not included in scope 2.





# General Information

## Papaya Films

8 WISLANA STREET

## Reporting Period Covered

1.01.2023 - 31.12.2023

The underlying consolidation approach is based on operational control.

A certain degree of uncertainty always remains unavoidable. To avoid a possible underestimation of Papaya Films's carbon emissions, an uncertainty surcharge is added to the results of this GHG inventory.



### Production | Local

Uncertainty surcharge: 5%



### Production | Services

Uncertainty surcharge: 5%



### Offices

Uncertainty surcharge: 5%



## Activities included in the inventory

### Scope 1

Fuels

Fuels (mobile)

Fuels (stationary)

On-site Renewables

Refrigerants

### Scope 2

Heat and steam

Purchased electricity

### Scope 3

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Cat 1. Purchased goods and services

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Cat 3. Fuel- and energy-related activities

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Cat 4. Upstream transportation and distribution

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Cat 5. Waste generated in operations

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Cat 6. Business travel

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Cat 7. Employee commuting

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### Activities not included

This report excludes certain categories of emissions due to data unavailability, irrelevance, or not being applicable. The exclusion of these categories was based on a thorough analysis of the available data and the applicable guidelines and was done in accordance with the principles of accuracy, transparency, and consistency. The exclusion of these categories does not indicate a lack of effort to comprehensively report emissions, but rather a recognition of the limitations of the data and the reporting framework.

The reporting entity remains committed to continuously improving the accuracy and completeness of its GHG emissions reporting and will include these categories in future reports if the necessary data becomes available and relevant.

### Scope 3

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Cat 2. Capital goods

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Cat 8. Upstream leased assets

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Cat 9. Downstream transportation and distribution

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Cat 10. Processing of sold products

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Cat 11. Use of sold products

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Cat 12. End-of-life treatment of sold products

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Cat 13. Downstream leased assets

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Cat 14. Franchises

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Cat 15. Investments

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### Activity data quality

Reporting the activity data and custom emission factors that the calculation is based on lies within Papaya Films responsibility. Accuracy and completeness of activity data is, therefore, part of Papaya Films area of accountability. Footprint Intelligence GmbH does not claim to anticipate, identify, or determine missing or faulty data.





# GHG Emissions Data

The following table displays emission data of Papaya Films. All data is given in metric tons of CO<sub>2</sub> equivalents (CO<sub>2</sub>e).

	2023
<b>Scope 1 GHG emissions</b>	131.18
Fuels	131.18
<b>Scope 2 GHG emissions (Gross Market Based Emissions)</b>	287.83
Scope 2 GHG emissions (Gross Location Based Emissions)	287.83
Heat and steam	24.91
Purchased electricity	262.92
<b>Significant Scope 3 GHG emissions</b>	805.37
Cat 1. Purchased goods and services	182.59
Cat 3. Fuel- and energy-related activities	41.91
Cat 4. Upstream transportation and distribution	8.43
Cat 5. Waste generated in operations	10.59
Cat 6. Business travel	515.44
Cat 7. Employee commuting	46.4
<b>Total GHG emission (Gross Market Based Emissions)</b>	1224.38
<b>Total GHG emission (Gross Location Based Emissions)</b>	1224.38

Specific GHGs (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, PFCs, SF<sub>6</sub>, NF<sub>3</sub>, HFCs) are not reported separately due to partly limited information. All GHGs listed under the Kyoto Protocol are, however, included in the inventory.



# Description of Methodologies

The following section outlines the descriptions of methodologies used for the calculation of relevant GHG emissions of all locations included in Papaya Films's inventory, with details on activity data and emission factor sources, data quality, and the percentage of emissions calculated using data obtained from suppliers or other value chain partners.

The data quality assessment was based on a subjective evaluation of the data quality of the direct emissions data, activity data, and emission factors. For the evaluation, criteria defined in the GHG Protocol Corporate Accounting and Reporting Standard (GHG Protocol, 2014) - Technology, Time, Geography, Completeness, and Reliability - were considered.

## SCOPE 1

### Fuels

This category comprises direct GHG emissions from company-owned or -controlled mobile sources (both on-road and non-road vehicles) as well as stationary combustion of solid, liquid, or gaseous fuels. Well-to-tank (WTT) emissions are accounted for and included in scope 3 category Fuel- and energy-related activities.

Activity	Activity Type	Activity Source	Activity Quality	Activity Data from 3rd party	Emission Factor Source
Biogenic Fuels	-	Specific Supplier Data	Good	100%	AdGreen
Fossil Fuels	Energy	Internal Accounting & Bills	Good	0%	Defra (2022)
Fossil Fuels	-	-	Poor	-	AdGreen
Fossil Fuels	-	Specific Supplier Data	Good	100%	AdGreen

## SCOPE 2

### Purchased electricity

This category consists of indirect emissions resulting from the generation of purchased electricity. Of these, market-based (supplier- or electricity product-specific) are distinguished from location-based (national or regional average grid) emissions.

Losses during transportation and distribution (T&D) are accounted for and included in scope 3 category Fuel- and energy-related activities.



Activity	Activity Type	Activity Source	Activity Quality	Activity Data from 3rd party	Emission Factor Source
Purchased Electricity	-	Specific Supplier Data	Good	100%	AdGreen
Purchased Electricity	Energy	Tracking, Logs, Meters	Very good	0%	Ember (2023)
Purchased Electricity	-	-	Poor	-	AdGreen

### Heat and steam

This category consists of indirect emissions resulting from the generation of purchased heat and steam. Losses during transportation and distribution (T&D) are accounted for and included in scope 3 category Fuel- and energy-related activities.

Activity	Activity Type	Activity Source	Activity Quality	Activity Data from 3rd party	Emission Factor Source
Heat & Steam	-	Specific Supplier Data	Good	100%	AdGreen
Heat & Steam	-	-	Poor	-	AdGreen



## SCOPE 3

### Purchased goods and services (cat.1)

This category includes all upstream emissions of purchased goods and services, i.e., emissions caused by the extraction, production, and transportation of goods and services purchased by the reporting company during the reporting period.

Activity	Activity Type	Activity Source	Activity Quality	Activity Data from 3rd party	Emission Factor Source
Goods & Services	Currency	Internal Accounting & Bills	Good	0%	Stadler, et al. (2018). EXIOBASE 3.8.2 (2022)
Goods & Services	-	-	Poor	-	AdGreen
Water Supply	Volume	Specific Supplier Data	Good	100%	Defra (2022)
Water Supply	-	-	Poor	-	AdGreen

### Fuel- and energy-related activities (cat.3)

Well-to-tank (WTT) emissions and transportation & distribution (T&D) losses include emissions related to the production of fuels and transportation of energy purchased by the reporting company during the reporting period (that are not included in scopes 1 or 2).

Activity	Activity Type	Activity Source	Activity Quality	Activity Data from 3rd party	Emission Factor Source
Fossil Fuels	Energy	Internal Accounting & Bills	Good	0%	Defra (2022)
Purchased Electricity	Energy	Tracking, Logs, Meters	Very good	0%	Ember (2023)

### Upstream transportation and distribution (cat.4)

This category consists of emissions resulting from the transportation and distribution of products purchased in the reporting period in vehicles not owned or controlled by the reporting company. Well-to-tank (WTT) emissions are accounted for and included in this category.

Activity	Activity Type	Activity Source	Activity Quality	Activity Data from 3rd party	Emission Factor Source
Upstream Logistics	-	-	Poor	-	AdGreen

### Waste generated in operations (cat.5)

This category comprises emissions caused by third-party disposal and treatment of solid waste and wastewater generated in the reporting company's owned or controlled operations in the reporting period, considering the most likely end-of-life treatment scenarios for the selected types of waste.

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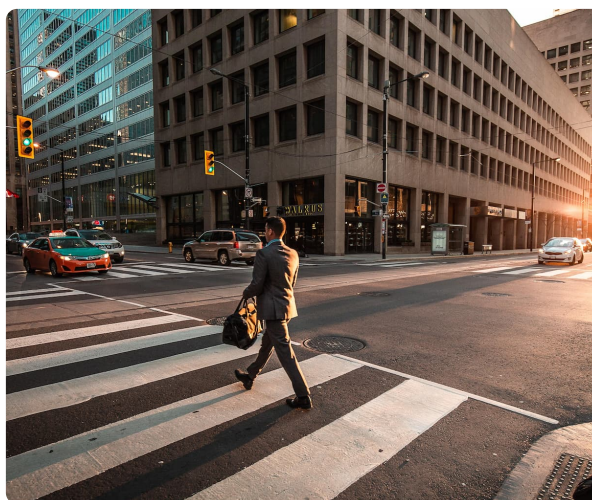
Activity	Activity Type	Activity Source	Activity Quality	Activity Data from 3rd party	Emission Factor Source
Waste	-	-	Poor	-	AdGreen
Waste	Person	Estimation	Fair	0%	Defra (2023). Deer (2021)
Water Treatment	Volume	Specific Supplier Data	Good	100%	Defra (2022)

### Business travel (cat.6)

This category includes emissions from the transportation of employees for business-related activities in vehicles owned or operated by third parties, such as aircraft, trains, buses, and passenger cars, as well as hotel stays, if applicable.

Business travel using company-owned or -controlled vehicles is accounted for and included in scope 1 fuels or generated renewable electricity, or scope 2 purchased electricity.

Well-to-tank (WTT) emissions are accounted for and included in this category.



Activity	Activity Type	Activity Source	Activity Quality	Activity Data from 3rd party	Emission Factor Source
Flights	-	-	Poor	-	AdGreen
Hotels	-	-	Poor	-	AdGreen
Non-Company Vehicle	-	-	Poor	-	AdGreen
Public Transport	-	-	Poor	-	AdGreen

### Employee commuting (cat.7)

This category includes emissions from the transportation of the reporting company's employees between their homes and their worksites during the reporting period. Employee commuting may include car-, bus-, rail-, and air travel, as well as other modes of transportation.

Employee commuting in company-owned or -controlled vehicles is accounted for and included in scope 1 fuels or generated renewable electricity, or scope 2 purchased electricity.

Well-to-tank (WTT) emissions are accounted for and included in this category.

Activity	Activity Type	Activity Source	Activity Quality	Activity Data from 3rd party	Emission Factor Source
Employee Vehicles	Distance	Surveys	Good	0%	Defra (2022)
Home Office	-	Estimation	Fair	0%	AdGreen
Home Office	Time	Internal Accounting & Bills	Good	0%	Defra (2022)
Public					

Commute	Distance	Surveys	Good	0%	Defra (2022)
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The logo for Footprint Intelligence, featuring the word "footprint" in a bold, lowercase sans-serif font with a small green leaf icon above the 'i', followed by the word "intelligence" in a lighter, lowercase sans-serif font. The background of the logo is a dark green, textured pattern of overlapping leaf shapes.

# About Footprint

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This report was created by Footprint Intelligence, a German climate-tech organization, empowering organizations to get climate ready in record time. This includes carbon emissions assessment, effective data-driven decarbonization strategies and engaging features for employees and customers.

## **Publisher**

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## **Contractor**

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# Assumptions





# References

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Defra (2023). Deer (2021)

Ember (2023)

Defra (2022)

Stadler, et al. (2018). EXIOBASE 3.8.2 (2022)

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