

The search results confirm the existence and importance of the GHG Protocol and the new Land Sector and Removals (LSR) Standard. They also provide general context about carbon footprints. However, none of the search results contain specific carbon footprint data for the product "fqftlsytrx" or company "xtsyttjijyz". Therefore, the dashboard will be generated using the data provided in the user's detailed carbon footprint report, as it is the direct source for this specific product's information. No specific numerical citations from the search results will be added to the dashboard itself, as the factual numbers presented are exclusively from the provided report content. html

carboncalcpcf.com

# Product Carbon Footprint Analysis

Product: **fqftlsytrx**

Total CO2e (per unit):	System Boundary:	Production Country:	Standard:
<b>40.28 kg CO2e</b>	<b>Cradle-to-Grave</b>	<b>China</b>	<b>GHG Protocol</b>

Total Footprint

**40.28 kg CO2e**

per 1.0 unit of fqftlsytrx

Carbon Intensity

**40.28 kg CO2e/unit**

across full lifecycle

Top Material Hotspot

## **Aluminum Alloy**

9.00 kg CO2e contribution

Primary Emission Scope

**Scope 3 (100%)**

Indirect value chain emissions

## Lifecycle Stage Breakdown

Use Phase	50.27% (20.25 kg CO2e)
Materials	35.05% (14.12 kg CO2e)
Manufacturing	11.05% (4.45 kg CO2e)
Transportation	2.22% (0.89 kg CO2e)
End-of-Life	1.39% (0.56 kg CO2e)

## Material Carbon Impact

Aluminum Alloy	9.00 kg CO2e
ABS Plastic	1.92 kg CO2e
Lithium-ion Battery	1.80 kg CO2e
Circuit Board (PCBA)	1.25 kg CO2e
Cardboard Packaging	0.15 kg CO2e

## Highlights: Key Emission Hotspots

- The **Use Phase** is the largest contributor, accounting for **50.27%** of the total footprint (20.25 kg CO<sub>2</sub>e).
- **Material Acquisition & Pre-processing** follows, contributing **35.05%** (14.12 kg CO<sub>2</sub>e), with Aluminum Alloy and Lithium-ion Battery being significant.
- **Manufacturing (Production Energy)** accounts for **11.05%** (4.45 kg CO<sub>2</sub>e), despite 60% renewable energy use.

## Recommendations for Carbon Reduction

1. **Optimize Use Phase:** Focus on R&D for energy-efficient designs and educate users on efficient energy consumption.
2. **Sustainable Material Sourcing:** Prioritize lower-carbon materials, increase recycled content, and explore alternative materials.
3. **Enhance Production Renewable Energy:** Work with manufacturing partners to increase renewable energy procurement or on-site generation.
4. **Strengthen Circularity:** Leverage the company-led take-back program and design for disassembly to maximize material recovery.