

html

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# Product Carbon Footprint Dashboard

**Product:** quwrljhwgtg • **Company:** moviznzovw • **Standard:** GHG Protocol

**Total PCF: 41.466 kgCO<sub>2</sub>e per 1.0 unit**

Total Footprint

**41.466 kgCO2e**

Per 1.0 unit of quwrljhwgtg

Carbon Intensity

**41.466 kgCO2e/unit**

Emissions per functional unit

Primary Emission Scope

**Scope 3 (93.3%)**

Value chain emissions

Top Material Hotspot

**Aluminum Casing (5.0 kgCO2e)**

Highest impact material

## Lifecycle Stage Breakdown

Product Use Phase	28.800 kgCO2e (69.5%)
Material Acquisition & Pre-processing	8.700 kgCO2e (21.0%)
Production (Electricity)	2.780 kgCO2e (6.7%)
End-of-Life	0.531 kgCO2e (1.3%)
Transportation and Distribution	0.655 kgCO2e (1.6%)

## Material Impact Breakdown

(Contribution to Total Material Emissions: 8.7 kgCO2e)

Aluminum Casing	5.0 kgCO2e (57.5%)
Printed Circuit Board (PCB)	2.5 kgCO2e (28.7%)
Plastic Housing (ABS)	0.9 kgCO2e (10.3%)
Packaging (Recycled Cardboard)	0.3 kgCO2e (3.4%)

## Highlights & Hotspots

- Product Use Phase is the primary emission hotspot (69.5%), significantly driven by energy consumption over its lifespan.
- Scope 3 emissions dominate the overall footprint (93.3%), underscoring the importance of value chain decarbonization.

- Material Acquisition contributes a notable 21.0% to total emissions, with Aluminum Casing being the single largest material impact at 5.0 kgCO<sub>2</sub>e.

## Recommendations & Action Plan

- **Focus on Use Phase Efficiency:** Prioritize R&D to substantially reduce the energy consumption of "quwrljhwgtg" during its operational lifespan.
- **Supply Chain Engagement:** Collaborate with material suppliers to source lower-carbon alternatives and promote efficient manufacturing processes for components.
- **Deepen End-of-Life Strategies:** Explore enhanced recyclability, repairability, and establish robust take-back/refurbishment programs to maximize circularity.
- **Data Collection Enhancement:** Implement rigorous systems for gathering primary data across the entire value chain to improve the accuracy and defensibility of future PCF calculations.
- **Embrace LSR Standard:** Prepare to track and report land-related emissions/removals, especially if biogenic materials are involved, as per the upcoming GHG Protocol LSR Standard.