

carboncalcpcf.com

# Product Carbon Footprint Dashboard

For Product: **sltkmjjerz** (1.0 unit)

**Total PCF: 13.25 kg CO2e**

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Key Metrics

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**13.25 kg CO<sub>2</sub>e**

TOTAL CARBON FOOTPRINT

**13.25 kg CO<sub>2</sub>e/unit**

CARBON INTENSITY

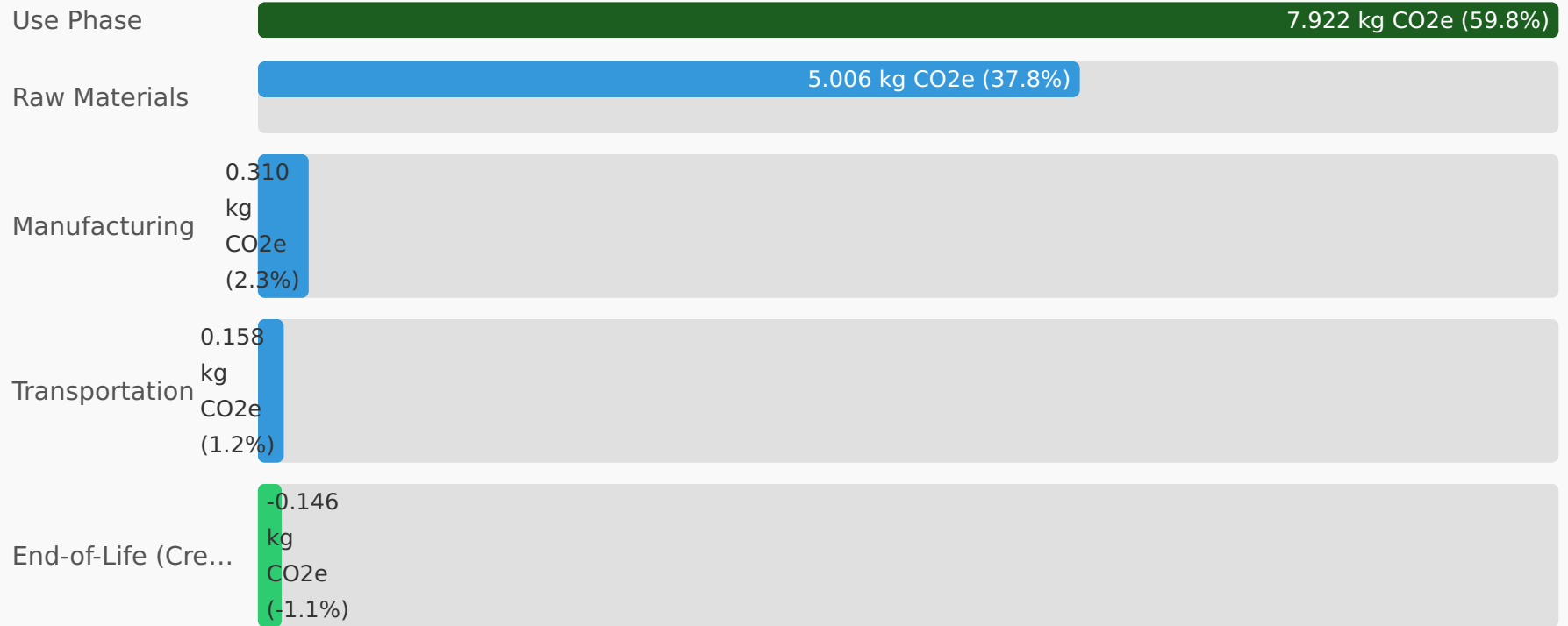
**Aluminum Casing**

TOP MATERIAL HOTSPOT

**Scope 3**

PRIMARY EMISSION SCOPE

## Lifecycle Stage Breakdown



1. **Optimize Use Phase Energy Efficiency:** Invest in R&D to significantly reduce the product's energy consumption during its operational lifespan and educate consumers on efficient usage.
2. **Prioritize Sustainable Material Sourcing:** Actively explore and integrate lower-carbon materials such as recycled aluminum, bio-based plastics, or components from suppliers with certified low-carbon production processes.
3. **Enhance Circularity:** Further develop and promote take-back and recycling programs, potentially expanding to include more complex electronic waste streams, to maximize material recovery.
4. **Extend Product Lifespan:** Design for durability, modularity, and repairability to increase product longevity, thereby reducing the frequency of new purchases and their associated lifecycle impacts.
5. **Increase Renewable Energy Adoption:** Continue to invest in and increase the reliance on renewable energy for manufacturing operations and encourage suppliers in the value chain to do the same.