

jkvmdsuvvz Carbon Footprint Dashboard

Total Product Carbon Footprint: 24.968 kgCO₂e per unit

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Total Footprint

24.968 kgCO₂e

Carbon Intensity (per unit)

24.968 kgCO₂e

Primary Emission Hotspot

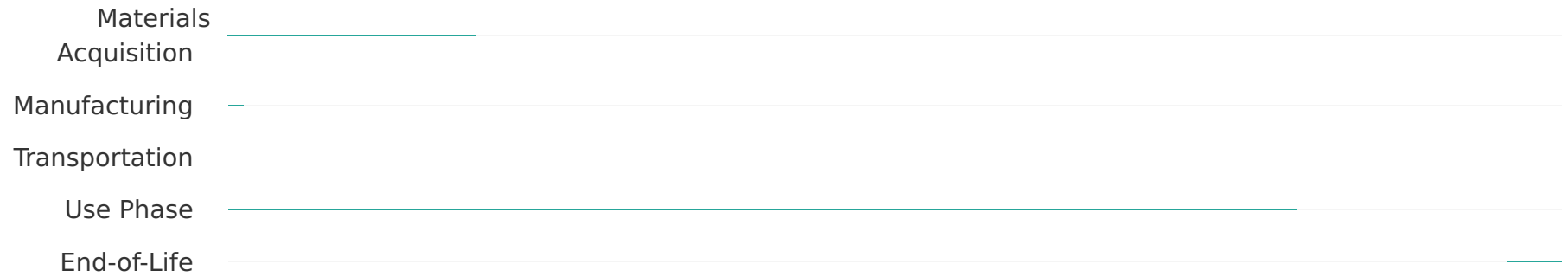
Use Phase

Scope 3 Coverage

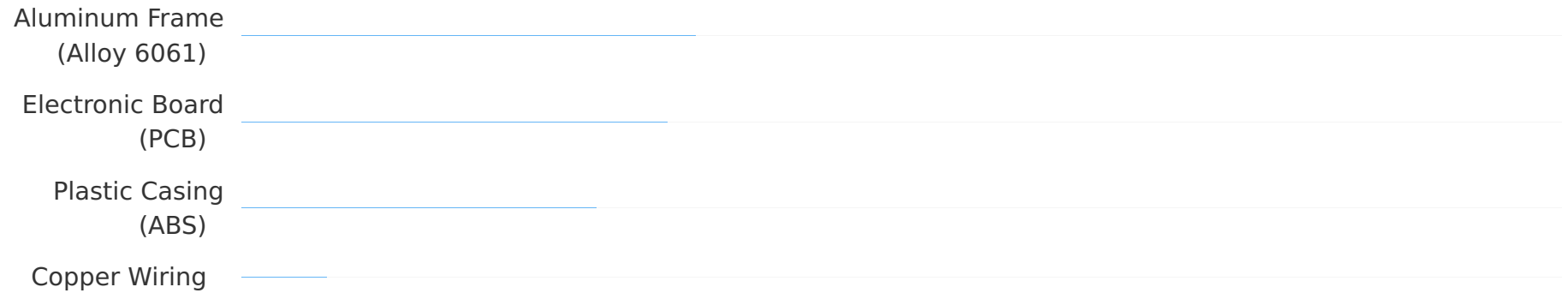
98.30%

**(-1.003 (00000
kgCO2e) kgCO2e)**

Lifecycle Stage Breakdown



Material Composition & Carbon Impact



Highlights & Insights

- The **Use Phase** is identified as the dominant emission hotspot, contributing a significant 80.10% to the product's total carbon footprint.
- The analysis successfully achieved **98.30% Scope 3 reporting coverage**, exceeding the 2026 GHG Protocol requirement of at least 95%.
- Through robust circular economy initiatives, the **End-of-Life stage demonstrates a net carbon removal of -4.02%**, reflecting effective recycling credits and avoided emissions.

Recommendations for Reduction

1. **Optimize Use Phase Energy Efficiency:** Implement engineering improvements to reduce energy consumption during the product's operational lifespan.
2. **Increase Renewable Energy in Production:** Further boost the share of renewable energy sourcing at the China manufacturing facility beyond the current 60%.
3. **Material Optimization:** Explore lower-carbon alternatives, recycled content, or bio-based materials for components like plastic casing and aluminum frame.
4. **Supply Chain Engagement:** Collaborate with suppliers to identify and reduce upstream emissions related to raw material extraction and component manufacturing.
5. **Enhance Circularity:** Expand and promote take-back programs to maximize product lifespan through repair, refurbishment, and high-quality material recovery.