

html

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Product Carbon Footprint Dashboard for "ieiryeny"

75.69 kg CO₂e / unit

Analysis for 1.0 unit of "ieiryeny" at factory_gate boundary, China. GHG Protocol Standard.

Total Product Footprint

75.69 kg CO₂e

Carbon Intensity

75.69 kg CO₂e/unit

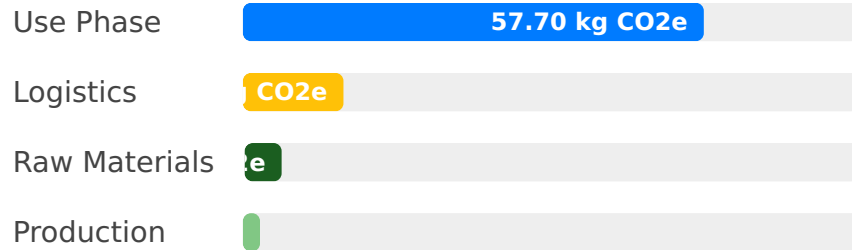
Top Material Hotspot

Metals (1.83 kg CO₂e)

Primary Emission Scope

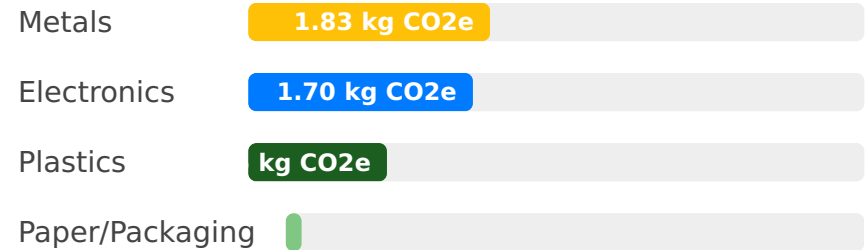
Scope 3

Lifecycle Stage Breakdown



Note: End-of-Life resulted in a net carbon credit of -1.43 kg CO2e due to high recyclability and refurbishment programs.

Raw Material Carbon Impact



Total raw material footprint: 4.66 kg CO2e.

Key Emission Highlights

- **Use Phase Dominance:** The product's energy consumption over its 5-year lifespan (57.70 kg CO2e) is the largest contributor to its carbon footprint, accounting for nearly 75% of positive emissions.
- **Last-Mile Logistics Impact:** Despite shorter distances, last-mile delivery contributes significantly (12.50 kg CO2e) due to the higher emission intensity of smaller delivery vehicles.

- ✓ **Sustainable Material Sourcing:** Prioritize sourcing materials with lower embodied carbon, increasing recycled content, or opting for bio-based alternatives.
- ✓ **Expand Circularity Programs:** Actively leverage and expand the existing product refurbishment program, and investigate further opportunities for material recovery and closed-loop recycling systems.