

I have thoroughly extracted the necessary data from the provided report content. Now I will generate the HTML dashboard as requested, adhering to all design, layout, and technical requirements. Here's a summary of the extracted data and derived metrics for the dashboard: **Product & Company Information:** \* Product Name: `perovornio` \* Company Name: `dhkmxwqefr` \* Functional Unit: `1.0 unit` \* System Boundary: `Cradle-to-Gate, extended to Use Phase and End-of-Life` \* Production Country: `China` \* Standard: `GHG Protocol` \* Generated Date: `May 21, 2026` **Key Metrics:** \* **Total Product Carbon Footprint (PCF):** `32.36 kg CO2e` \* **Total Product Weight:** `3.3 kg` \* **Carbon Intensity:** `32.36 kg CO2e / 3.3 kg = 9.81 kg CO2e/kg` (rounded) \* **Top Material Hotspot:** `Steel component` (5.0 kg CO2e, 62.1% of total material impact) \* **Primary Emission Scope:** `Scope 3 (Use Phase)` **Lifecycle Stage Breakdown** (for visualization, percentages based on sum of positive impacts: 35.60 kg CO2e): \* Use Phase (Energy Consumption): `25.00 kg CO2e` (`70.2%`) \* Materials Acquisition & Processing: `8.05 kg CO2e` (`22.6%`) \* Production Energy (China): `2.14 kg CO2e` (`6.0%`) \* Transport (Primary & Last-Mile): `0.26 + 0.15 = 0.41 kg CO2e` (`1.2%`) \* End-of-Life (Recycling Credit): `-3.22 kg CO2e` (Displayed separately as a credit) **Material Carbon Impact** (for visualization, percentages based on total material carbon: 8.05 kg CO2e): \* Steel component: `5.0 kg CO2e` (`62.1%`) \* Plastic housing: `1.75 kg CO2e` (`21.7%`) \* Circuit Board: `1.0 kg CO2e` (`12.4%`) \* Packaging: `0.3 kg CO2e` (`3.7%`) **Highlights & Hotspots:** 1. Use Phase is the most significant contributor (77.2% of total PCF). 2. Materials Acquisition & Processing is the second largest impact (24.9%). 3. End-of-Life recycling provides a significant offset. **Action Plan:** 1. Use Phase Optimization. 2. Sustainable Material Sourcing. 3. Enhance Renewable Energy Adoption. I will now generate the HTML dashboard based on this extracted and processed data. html

carboncalcpcf.com

# Product Carbon Footprint for perovornio

Report for dhkmxwqefr (1.0 unit, Cradle-to-Gate + Use & EoL)

Standard: GHG Protocol | Production Country: China

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

TOTAL PRODUCT FOOTPRINT

**32.36** kg CO2e

CARBON INTENSITY

**9.81** kg CO2e/kg

TOP MATERIAL HOTSPOT

**Steel** (62.1% of material impact)

PRIMARY EMISSION SCOPE

**Scope 3** (Use Phase)

## Lifecycle Stage Breakdown

Use Phase 25.00 kg CO2e (70.2%)

### Material Carbon Impact

Materials Acquisition & Processing 8.05 kg CO2e (22.6%)

Production Energy 2.14 kg CO2e (6.0%)

Steel component 5.0 kg CO2e (62.1%)

