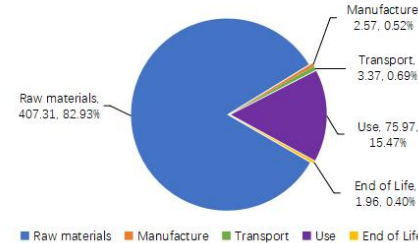
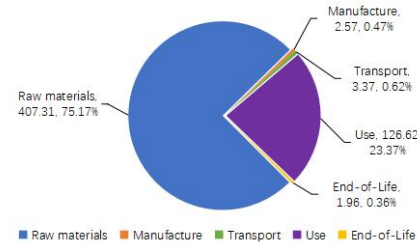


# TPV AOC Product Carbon Footprint (PCF) Information Sheet

|                          |                                 |                                                                                     |
|--------------------------|---------------------------------|-------------------------------------------------------------------------------------|
| <b>Company Name</b>      | TPV Technology Group            |  |
| <b>Manufacturer Name</b> | AOC International (Europe) B.V. |                                                                                     |
| <b>Commercial Name</b>   | LCD monitor                     |                                                                                     |
| <b>Model Number</b>      | CU34E4CW                        |  |
| <b>Review Date</b>       | 2025-09-03                      |                                                                                     |
| <b>Issue Date</b>        | 2025-09-04                      |                                                                                     |

| Product Environmental Attributes                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------|----------------|---------------|--------|--------|-------------|------|-------|-----------|------|-------|-----|-------|--------|-------------|------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|------------------------------|----------------|---------------|--------|--------|-------------|------|-------|-----------|------|-------|-----|--------|--------|-------------|------|-------|
| (a) Product Carbon Footprint Value:                                                | Expected Product Lifetime<br>(see Note 1 below)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 years        | 491.18 kg of CO <sub>2</sub> e |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 years        | 541.83 kg of CO <sub>2</sub> e |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
|                                                                                    | Estimates Uncertainty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ± 13.00 %      |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
| (b) Product Picture:                                                               | (c) Life Cycle Detail by Life Stage (Pie Chart):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
|  | <p>Expected Product Lifetime: 3 years ( kg CO<sub>2</sub>e/pcs )</p>  <table><thead><tr><th>Life Stage</th><th>Value (kg CO<sub>2</sub>e)</th><th>Percentage (%)</th></tr></thead><tbody><tr><td>Raw materials</td><td>407.31</td><td>82.93%</td></tr><tr><td>Manufacture</td><td>2.57</td><td>0.52%</td></tr><tr><td>Transport</td><td>3.37</td><td>0.69%</td></tr><tr><td>Use</td><td>75.97</td><td>15.47%</td></tr><tr><td>End of Life</td><td>1.96</td><td>0.40%</td></tr></tbody></table> | Life Stage     | Value (kg CO <sub>2</sub> e)   | Percentage (%) | Raw materials | 407.31 | 82.93% | Manufacture | 2.57 | 0.52% | Transport | 3.37 | 0.69% | Use | 75.97 | 15.47% | End of Life | 1.96 | 0.40% | <p>Expected Product Lifetime: 5 years ( kg CO<sub>2</sub>e/pcs )</p>  <table><thead><tr><th>Life Stage</th><th>Value (kg CO<sub>2</sub>e)</th><th>Percentage (%)</th></tr></thead><tbody><tr><td>Raw materials</td><td>407.31</td><td>75.17%</td></tr><tr><td>Manufacture</td><td>2.57</td><td>0.47%</td></tr><tr><td>Transport</td><td>3.37</td><td>0.62%</td></tr><tr><td>Use</td><td>126.62</td><td>23.37%</td></tr><tr><td>End-of-Life</td><td>1.96</td><td>0.36%</td></tr></tbody></table> |  | Life Stage | Value (kg CO <sub>2</sub> e) | Percentage (%) | Raw materials | 407.31 | 75.17% | Manufacture | 2.57 | 0.47% | Transport | 3.37 | 0.62% | Use | 126.62 | 23.37% | End-of-Life | 1.96 | 0.36% |
| Life Stage                                                                         | Value (kg CO <sub>2</sub> e)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Percentage (%) |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
| Raw materials                                                                      | 407.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 82.93%         |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
| Manufacture                                                                        | 2.57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.52%          |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
| Transport                                                                          | 3.37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.69%          |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
| Use                                                                                | 75.97                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15.47%         |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
| End of Life                                                                        | 1.96                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.40%          |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
| Life Stage                                                                         | Value (kg CO <sub>2</sub> e)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Percentage (%) |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
| Raw materials                                                                      | 407.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 75.17%         |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
| Manufacture                                                                        | 2.57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.47%          |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
| Transport                                                                          | 3.37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.62%          |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
| Use                                                                                | 126.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 23.37%         |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |
| End-of-Life                                                                        | 1.96                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.36%          |                                |                |               |        |        |             |      |       |           |      |       |     |       |        |             |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |            |                              |                |               |        |        |             |      |       |           |      |       |     |        |        |             |      |       |

## Note 1:

### Disclaimer:

All estimates of carbon footprint are uncertain.

This information sheet contains a description of the carbon footprint data for this declared product, which is based on estimates of the current state of the product life cycle, but is subject to known or unknown risks or uncertainties, so actual results may be different from the statement.

## Note 2:

This product is based on the PAS2050:2011 & ISO 14067:2018 standard for carbon footprint inventory and calculation.

And this product use SimaPro 10.2.0.0 for PCF calculation tool. The lifecycle impact assessment methodology follows the IPCC 100-year Greenhouse Gas Emissions Assessment Method (IPCC 2021 GWP 100a) to calculate the CO<sub>2</sub> emission equivalent of a product from raw material extraction to product disposal (Cradle to Grave).

## Note 3:

This calculation was based upon an AOC CU34E4CW with the assumptions and configuration described in the calculation assumptions in the next page.

## Note 4:

This pie chart provides the percent contribution of the mean value for each element of the analysis for the full life cycle CO<sub>2</sub>e impacts of the product. If individual elements displaying 0% are less than 0.1%.

# TPV AOC Product Carbon Footprint (PCF) Information Sheet

| Assumption Table                                                                                           |                                                                       |          |          |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------|----------|
| Category                                                                                                   | Element                                                               | Unit     | Input    |
| Product Specifics                                                                                          | Product Weight (with packaging)                                       | kg       | 13.81    |
|                                                                                                            | Screen Size                                                           | inches   | 34       |
|                                                                                                            | Product Lifetime                                                      | years    | 3        |
|                                                                                                            | Standby Mode & Power-On Mode                                          | w        | 0.5 & 38 |
|                                                                                                            | Estimated standby hour & usage hour                                   | hrs      | 8 & 8    |
|                                                                                                            | Estimated total <b><i>annual</i></b> standby and power-on consumption | kwh      | 77       |
| Location                                                                                                   | Assembly Location                                                     | no unit  | CN       |
|                                                                                                            | Use Location                                                          | no unit  | GLO      |
| Transport from Assembly to Customer                                                                        | To country of use: by air                                             | fraction | 0        |
|                                                                                                            | To country of use: by ship                                            | fraction | 1        |
|                                                                                                            | To country of use: by rail                                            | fraction | 0        |
|                                                                                                            | To country of use: by truck                                           | fraction | 0        |
|                                                                                                            | In country of use: by air                                             | fraction | 0        |
|                                                                                                            | In country of use: by ship                                            | fraction | 0        |
|                                                                                                            | In country of use: by rail                                            | fraction | 0        |
|                                                                                                            | In country of use: by truck                                           | fraction | 0        |
| End of Life                                                                                                | Waste incineration                                                    | %        | 20       |
|                                                                                                            | Material recycling                                                    | %        | 80       |
| The PCF value is calculated using the specific attributes above for assembly, use and transportation mode. |                                                                       |          |          |

## Notes:

Life Cycle Analysis (LCA) can be grouped into five categories which include Raw Material, Manufacture, Transport, Use, and End-of-Life. Below is a brief description of each phase.

**Raw Material:** This life cycle phase captures emissions generated during the extraction, production, and transport of raw materials.

**Manufacture:** This life cycle phase captures emissions generated during the manufacture of subassemblies (including the product packaging) and product assembly.

**Transport:** Emissions included in the distribute phase include all those generated during the air, ocean or land distribute of finished or semi-finished AOC products between AOC facilities and from AOC facilities to customers.

**Use:** In use energy consumption is calculated in accordance with the U.S. Environmental Protection Agency's Energy Star® Typical Energy Consumption (TEC) methodology. Calculated energy consumption is then used in combination with average emissions factors for the designated country of use to calculate emissions. Estimated monitor usage days by end user are 250 days a year.

**End-of-life:** The recycle rate is calculated based on the company's own calculated WEEE recycle rate. It is also assumed that the balance of the product waste materials is disposed of by incineration. Emissions generated during the mechanical destruction, separation and transport of end of life materials are included in the calculation.