

Declaration of Life Cycle Assessment (LCA) Results

Product Name / Code: 55-1725

Assessment Conducted By: Positive Planet

Assessment Standard: ISO 14040 / 14044 and PEF compliant methodology

Publish Date: 16th May 2025 Version 1.0

Functional Unit: 1 pair of 55-1725 gloves, size 8

Scope of Assessment

The Life Cycle Assessment covers the **cradle-to-gate** LCA framework, including:

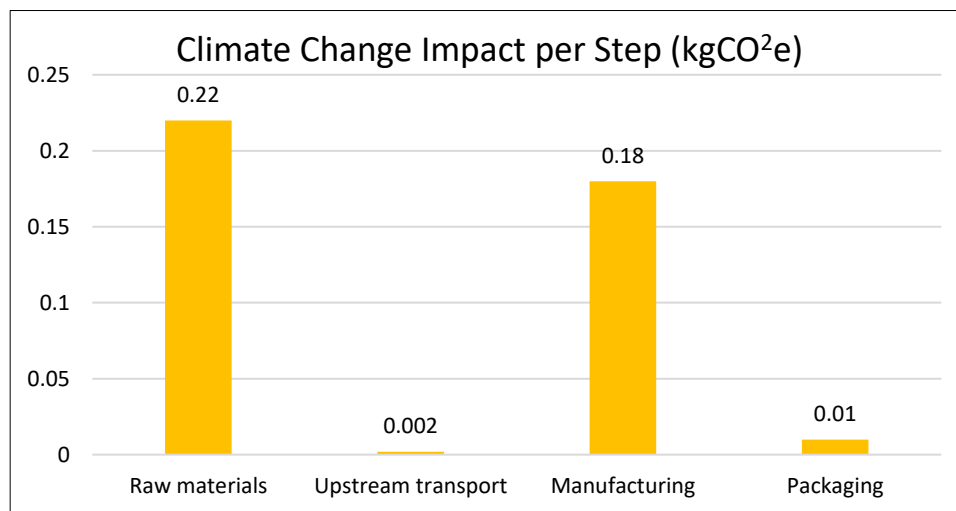
- Raw material extraction and pre-processing
- Upstream transportation (raw materials to plant)
- Manufacturing and processing of the product
- Packaging (primary, secondary and tertiary packaging)

Global Results

Impact Indicator Category	Units	Total Impact
Global Warming Potential (GWP)	kg CO ₂ e	0.410
Acidification Potential	mol H ⁺ -eq	0.00244
Ecotoxicity: freshwater	CTUe	1.97
Energy Resources: non-renewable	MJ net VC	6.10
Eutrophication: freshwater	kg PO ₄ -eq	0.000102
Eutrophication: marine	kg N-eq	0.000390
Eutrophication: terrestrial	mol N-eq	0.00438
Human Toxicity: carcinogenic	CTUh	0.000000000207
Human Toxicity: non-carcinogenic	CTUh	0.00000000474
Ionising Radiation: human health	kBq U235-eq	0.00830
Land Use	Dimensionless	1.58
Material Resource: metals/minerals	kg Sb-eq	0.0000007
Ozone Depletion	kg CFC-11-eq	0.0000000784
Particulate Matter	Disease inc.	0.0000000126
Photochemical Oxidant Formation	kg NMVOC-eq	0.00585
Water Consumption	m ³ world eq	0.0648

Assumptions & Limitations

- Yarn manufacturing has been estimated with Ecoinvent for certain types of yarns.
- The energy needed for each manufacturing step has been estimated considering that the machine will use its maximum power.
- Results are for informational purposes and do not constitute an environmental certification unless explicitly stated.
- Detailed LCA data is proprietary and confidential.



Extension: gate-to-customer measurement

For the UK maximum assumed distance scenario, the transport contributes 5% to give the gate-to-customer measurement.

Gate-to-customer (distributor UK) measurement conducted as an extension by Positive Planet to give a worst-case scenario transport impact value of: 0.02kgCO₂e

Conclusion

The impact on the 16 indicators of the PEF has been calculated for one pair of Tilsatec gloves 55-1725. The data used for the Positive Planet model has been considered to have a High Data Quality Score to give an LCA climate change value of:

Cradle-to-Gate: 0.410kgCO₂e

Cradle-to-Customer: 0.430 kgCO₂e

Declaration Statement

We declare that this summary accurately reflects the LCA results for 55-1725, based on the assessments conducted. This declaration may be shared with customers and stakeholders without revealing confidential LCA data.

Signed on behalf of [Tilsatec]



Maria Kramer, Technical Manager

Date: 09th January 2026