



## Declaration of Life Cycle Assessment (LCA) Results

**Product Name / Code:** 55-1825

**Assessment Conducted By:** Positive Planet

**Assessment Standard:** ISO 14040 / 14044 and PEF compliant methodology

**Publish Date:** 16<sup>th</sup> May 2025 Version 1.0

**Functional Unit:** 1 pair of 55-1825 gloves, size 8

### Scope of Assessment

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

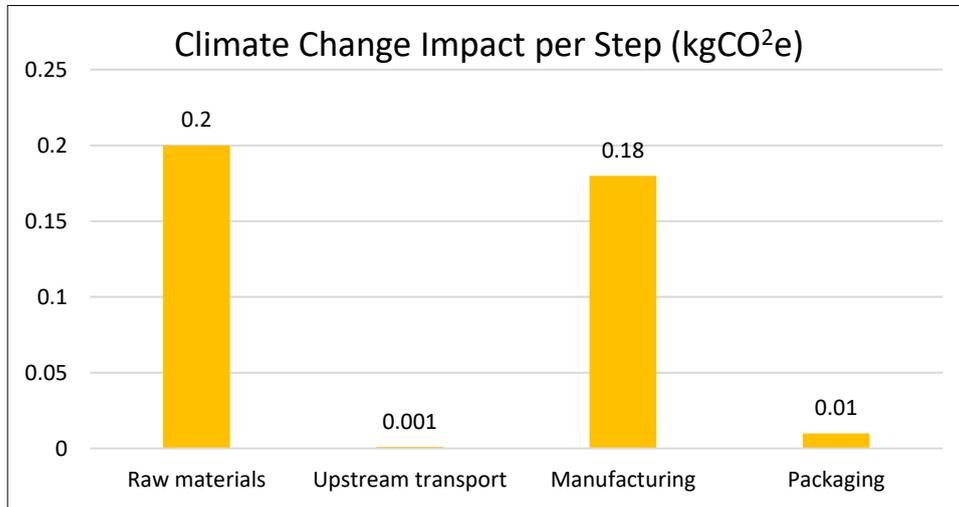
- Raw material extraction and pre-processing
- Upstream transportation (raw materials to plant)
- Manufacturing and processing of the product
- Packaging (primary, secondary and tertiary packaging)

### Global Results

Impact Indicator Category	Units	Total Impact
Global Warming Potential (GWP)	kg CO <sub>2</sub> e	0.386
Acidification Potential	mol H <sup>+</sup> eq	0.00253
Ecotoxicity: freshwater	CTUe	1.33
Energy Resources: non-renewable	MJ net VC	5.05
Eutrophication: freshwater	kg PO <sub>4</sub> -eq	0.000103
Eutrophication: marine	kg N-eq	0.000446
Eutrophication: terrestrial	mol N-eq	0.00442
Human Toxicity: carcinogenic	CTUh	0.000000000111
Human Toxicity: non-carcinogenic	CTUh	0.00000000335
Ionising Radiation: human health	kBq U235-eq	0.00611
Land Use	Dimensionless	1.82
Material Resource: metals/minerals	kg Sb-eq	0.0000009
Ozone Depletion	kg CFC-11-eq	0.0000000579
Particulate Matter	Disease inc.	0.0000000154
Photochemical Oxidant Formation	kg NMVOC-eq	0.00511
Water Consumption	m <sup>3</sup> world eq	0.0631

### 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: 0.02kgCO<sub>2</sub>e

**Conclusion**

The impact on the 16 indicators of the PEF has been calculated for one pair of Tilsatec gloves 55-1825. 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: 0.386kgCO<sub>2</sub>e  
 Cradle-to-Customer: 0.406 kgCO<sub>2</sub>e

**Declaration Statement**

We declare that this summary accurately reflects the LCA results for 55-1825, 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