

# Life Cycle Assessment (LCA) Critical Review Statement



**Statement No.:** IT26/722409598.01  
**Issue Date:** 24/02/2026  
**Commissioner:** Luca Massari, Selene S.p.A.  
**Practitioners:** Alessandro Marson, Linda Grotto, Spinlife - Spin-off dell'Università di Padova  
**Reviewed by:** Matteo Simonetto, Giulia Zarroli, TÜV Italia S.r.l., Viale Fulvio Testi 280/6 – 20126 Milano  
**Review scope and objective:** TÜV Italia S.r.l. has been engaged by Selene S.p.A. to perform an independent third-party critical review. The review was conducted by external independent reviewers and had the task to assess whether:

- the methods used to carry out the LCA are consistent with ISO 14040:2006/Amd1:2020, ISO 14044:2006/Amd2:2020, ISO 14071:2024;
- the methods used to carry out the LCA are scientifically and technically valid;
- the data used are appropriate and reasonable in relation to the goal of the study;
- the interpretations reflect the limitations identified and the goal of the study;
- the study report is transparent and consistent.

The scope of the critical review covers the “cradle-to-gate with options” life cycle assessment (LCA) on Selene average non-stretchable PE film for food applications, “Studio di Life Cycle Assessment di film in PE non estensibile per alimenti” Rev. 2 of 20/02/2026.

## Description of the review process:

- the review was performed based on ISO 14044 - § 6.2 (external expert);
- the review was performed at the end of the study;
- the review included an assessment of the LCI model;
- the review included an analysis of individual datasets;
- the reviewer comments were provided and discussed through a critical review report template. Implementation was rigorously checked by the reviewer.

## Independence

The Commissioner is responsible for the collection and fair presentation of the information presented. TÜV Italia S.r.l. does not involve in manufacturing products, calculating potential environmental impacts, and preparing the LCA study report. The review activities are independent from the commissioner and the practitioner.

## Conclusion

Based on the critical review, the reviewers conclude that the study is in conformance with ISO 14040 and ISO 14044. The reviewers rated the overall quality of the report as good, its methods as scientifically and technically valid, and the used data as appropriate and reasonable. The study report is transparent and consistent, and the interpretation of the results reflects the goal and the identified limitations of the study.

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24.02.2026

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24.02.2026

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