EVALUATION REPORT N° 2872/2025

Assessment procedure and score calculation of the recyclability of individual fibre-based packaging items and/or materials according to "fibre-based packaging recyclability evaluation protocol" – version 1 (2025)

Customer:
LINEAPACK CHINELLO SRL, Via San Giovanni, 13 CARMIGNANO DI BRENTA PD

Sample identification:
TERPAP GR.70 CON FINESTRA IN POLIPROPILENE 25MY

Sample description:
Cellulose fibre-based material.
Reel of paper for flexible packaging. The sample is made of 70 g/m² paper laminated centrally with 25 µm PP film and a water based heat sealable glue is applied.
Analyses were carried out on semi-finished product, according to:

CEPI recyclability laboratory test method Ver.3 (2025)
Harmonised European laboratory test method to generate parameters enabling the assessment of the recyclability of paper and board products in standard recycling mills with conventional process

The **"fibre-based packaging recyclability evaluation protocol" – version 1** can be downloaded from: https://4evergreenforum.eu/about/guidelinesandprotocol/

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Results and scores of sample N° 2872/2025

Test	Unit	Result	Score	Description
Disintegration time	min	10		*Disintegration time applied*
Coarse reject (CR)	%	8,5	73	*The packaging creates an acceptable screening yield, but the rejects could already have an impact in a recycling mill with conventional process.*
Fine reject (FR)	%	0,2		
Formation of laboratory handsheet **Visual impurities**	[Level 1-4]	Level 1	0	*Poses no visual quality issues*
Sheet adhesion	[Level 1-3]	Level 1	0	*Poses no adhesion issues*
Dissolved and Colloidal Substances	mg/g packaging	4,04	0	*DCS expected to pose negligible issues in the process of a recycling mill with conventional process and is therefore considered 'best in class'.*

Evaluation according to "fibre-based packaging recyclability evaluation protocol" – ver. 1
Based on the outcome of the tests, considering the Recyclability Total Score calculation , the sample is:

Technically recyclable in a recycling mill with conventional process
Total score = 73/100

For the interpretation of recyclability total score and its individual components see **APPENDIX 1**

Note:
COD and macrosticky evaluation are not currently included in the 4evergreen "Recyclability Evaluation Protocol" Version 1.
This certificate is valid up to 6 months after the publication of the next version of the 4evergreen "Recyclability Evaluation Protocol".

The result refers to the sample as received and analyzed by the laboratory, and described in the Test Report. It is therefore excluded from the evaluation of recyclability resulting from of subsequent processing or use of the material or product other than those to which the sample was subjected before the analysis.

Lucca, 12/12/2025

Laboratory Technician
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Appendix 1

Technically Recyclability Score interpretation

Technical Recyclability Score for Recycling in mills with conventional process	Description
0 – 100	Technically recyclable in a recycling mill with conventional process.
< 0	Not technically recyclable in a recycling mill with conventional process. Potentially recyclable in mills with other recycling process types.*

**This result refers to a reference process, the individual evaluation of a recycling mill might be different, depending on available processes and stock preparation concept.*

Total Screening Yield Score		Visual Impurities Score			Sheet Adhesion Score			Dissolved and Colloidal Substances Score	
Score	Score interpretation	Level	Score	Score interpretation	Level	Score	Score interpretation	Score	Score interpretation
100 - 90	The packaging creates a high screening yield in a recycling mill with conventional process and is therefore considered 'best in class'.	Level 1	0	Poses no visual quality issues	Level 1	0	Poses no adhesion issues	0 to -3	DCS expected to pose negligible issues in the process of a recycling mill with conventional process and is therefore considered 'best in class'.
		Level 2	-5	Poses minor visual quality issues	Level 2	0	Poses minor adhesion issues		
89 - 70	The packaging creates an acceptable screening yield, but the rejects could already have an impact in a recycling mill with conventional process.	Level 3	-15	Poses noticeable visual quality issues	Level 3	Knockout		-3 to - 45	DCS expected to have minor issues in the process of a recycling mill with conventional process.
69 – 50	The screening yield of the packaging is high for a recycling mill with conventional process, but it is suggested that the packaging should be further optimised for recycling.	Level 4*	-30	Poses significant visual quality issues					
49 – 0	This packaging creates a significant amount of rejects which can lead to technical problems in the screening step in a recycling mill with conventional process.							-45 to -100	DCS expected to have issues in the process of a recycling mill with conventional process and suggest further optimisation.
< 0	The reject of this packaging is too high for the recycling process in a recycling mill with conventional process and should not be recycled in such a process.							< -100	DCS expected to have major issues in the process of a recycling mill with conventional process. It is recommended to test this product with part III testing in future FBCP process.

** Warning statement: Level 4 in terms of visual impurities has been assigned to your sample. In the current version of the Evaluation Protocol, Level 4 has not yet been activated as a knockout criterion. Once the representativeness of the lab-scale test and Evaluation Protocol are validated in the next version(s), Level 4 could potentially lead an overall negative assessment of the recyclability in a recycling mill with conventional process (i.e. deemed not technically recyclable in a recycling mill with conventional process). Until then, we strongly recommend the current results be treated with special care. For example, consider reaching out to the lab running the test asking for more detailed information and observations.*

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