



ENDORSEMENT LETTER

Brussels, July 7th, 2025

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The Technical Committee of the Tray Circularity Evaluation Platform (TCEP) was requested to assess the effect of:

UV blocker 66UV11964 by Penn Color In the PET thermoforms recycling streams.

Penn Color ‘66UV11964’ UV blocker can be used in PET thermoforms to safeguard UV-sensitive contents against photodegradation when exposed to direct light, thereby protecting essential product characteristics.

It will be introduced in the PET tray market guaranteeing compatibility with actual European PET thermoforms recycling.

Based on the TCEP assessment's outcome and current market knowledge in 2024-2025, the Tray Circularity Evaluation Platform (TCEP) concludes that:

The use of **Penn Color ‘66UV11964’ UV blocker** will not have a negative impact on current European PET Recycling and have been awarded an endorsement for a market penetration up to 5% and a max LDR 0,6%wt in a PET thermoform.

The 5% refers to the total market penetration of similar additives.

TCEP will continue to monitor any effect of this type of additives on EU recycling streams. All ingredients used in the tray formulations must be compliant with regulation 10/2011 and its subsequent amendments and any rPET used must comply with EFSA or DG Santé requirements.

Upon prior notice to **Penn Color** the TCEP reserves the right to update and change the conditions of this endorsement at any time in accordance with the most recent technologies, assessments and experience.

The Tray Circularity Evaluation Platform (TCEP) is a European industry initiative that provides PET thermoforms design guidelines for recycling, evaluates thermoform packaging solutions and technologies, and facilitates understanding of the effects of new PET thermoforms innovations on recycling process. The TCEP initiative fully supports the economic and Environmental sustainability of the European PET value chain.