



Brussels, October 24<sup>th</sup>, 2018

The Technical Committee of the European PET Bottle Platform (EPBP) was requested to assess the effect of UPM Raflatac low-density self-adhesive labelling systems PP Clear Top Coated / RW65C on the quality of recycled PET. UPM Raflatac's PP Clear Top Coated / RW65C labelling systems are based on a PP face and an UV curable acrylic hotmelt.

UPM Raflatac's PP Clear Top Coated / RW65C self-adhesive labelling systems are specifically designed to be fully removable in one piece from the PET flakes by the hot washing solution during the PET recycling process: the adhesive is designed to be completely removed together with the label substrate, leaving no residuals on the clean PET flakes.

This EPBP opinion is valid only where non-bleeding inks are used in conjunction with PP Clear Top Coated / RW65C self-adhesive labelling systems.

Data supplied from tests carried out according to the EPBP testing protocol demonstrated no negative impact on the colour and processing performance of the resulting rPET.

Based on the EPBP assessment's outcome and current market's knowledge in 2016, the European PET Bottle Platform (EPBP) confirms that UPM Raflatac's PP Clear Top Coated / RW65C self-adhesive labelling systems will not have a negative impact on current European PET recycling provided the following conditions are met:

- (a) The density of the printed LD-self adhesive label with the adhesive is below  $1 \text{ g/cm}^3$  (adhesive + label + ink), taking batch to batch tolerances into consideration;
- (b) The inks:
  - a. Are non-bleeding;
  - b. Have high chemical resistance;
  - c. Have low migration
  - d. Comply with the European Legislation (e.g. Packaging and Packaging Waste Directive on the heavy metal concentration levels).
- (c) The concentration of self adhesive labelled bottles is limited to a max of 10% of the whole EU PET bottle market. This market penetration rate takes local accumulation effects into consideration.