



**Association of Plastic Recyclers
1001 G Street, NW Suite 500
Washington DC 20001**

www.plasticsrecycling.org

December 6, 2019

Mr. Gilles Swyngedauw
ZAC des Barbanniers, "Le Signac"
1 avenue du Général De Gaulle, 92230 Gennevilliers, France

Dear Mr. Swyngedauw:

APR, the Association of Plastic Recyclers, is pleased to recognize Albea S.A.'s Greenleaf Generation 2 tube consisting of a pigmented and decorated low melt flow medium density/high density polyethylene-based tube with less than 6% ethylene vinyl alcohol barrier layer and tie layer and low-melt flow index HDPE shoulder as meeting or exceeding the most strict APR HDPE Critical Guidance criteria and the APR HDPE Bottle-to-Bottle protocol. This APR recognition is based on the technical recyclability of the packaging tube innovation with HDPE bottles.

A Review Committee, appointed per the APR Recognition Operating Procedures, reviewed your October 21, 2019 data submission and concluded the data were correctly obtained by a qualified laboratory and were completely presented to show the tubes submitted meet or exceed the most challenging test conditions and strictest APR Critical Guidance criteria. APR thanks Albea for additional testing to further demonstrate the compatibility of the Greenleaf Generation 2 tube with HDPE bottle recycling processing. APR also thanks Albea for its work to replace the closure with a proper HDPE unit.

This APR Recognition applies to the tube on which data were submitted excluding any closure. The HDPE Critical Guidance and Bottle-to-Bottle documents that were used to evaluate the Greenleaf Generation 2 tube are the product of a multi-industry consensus process to identify and address certain key technical considerations related to the recycling of postconsumer HDPE bottles. The Documents direct innovators to conduct specific testing per established testing procedures and then provide the innovator with guidance to interpret the results. The protocols are intended to help improve the quality of the recycled bottle stream by aiding innovators to make informed decisions about the consequences of packaging innovations. APR thanks Albea S.A. for voluntarily submitting this packaging tube for Recognition. The impact of these protocols is beneficial to world-wide recycling efforts. Meeting the Critical Guidance Document and Bottle-to-Bottle guidelines are truly significant steps in demonstrating overall recyclability of your tube and decoration.

Our recognition applies only to the decorated Greenleaf Generation 2 tube. While this Recognition speaks to the compatibility of your tubes with HDPE bottle recycling, it does not speak to collection of used tubes or include other tubes in the market that may conflict with the HDPE bottle recycling process. We encourage Albea to be sure in its packaging information that the public does not misunderstand that this Recognition applies to look-alike tubes or to believe collection is happening when it is not.

Yours truly

Executive Director

The Voice of Plastics Recycling™

