



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

www.plasticsrecycling.org

April 9, 2019

Dr. Jun Wang
Packaging Innovation - Global Design & Packaging
Colgate-Palmolive Company Technology Center
909 River Rd.
Piscataway, NJ 08855

Dear Dr. Wang:

APR, the Association of Plastic Recyclers, is pleased to recognize Colgate-Palmolive Company's Samson tube consisting of pigmented low melt flow HDPE, 5% or less ethylene vinyl alcohol barrier layer and tie layer, direct printed decoration, and a PET insert, 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 January 17, 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 Colgate for additional testing to further demonstrate the compatibility of the Samson tube with HDPE bottle recycling processing.

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 Samson 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 Colgate-Palmolive 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 Samson 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 Colgate-Palmolive 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™

