



Association of Plastic Recyclers
1776 K Street, NW
Washington DC 20006

www.plasticsrecycling.org

May 7, 2021

Ms. Manita Kruthkul, R&D Manager
1741 Chan Rd.,
Thungmahamek, Sathorn
Bangkok 10120 Thailand

Dear Ms. Kruthkul:

APR, the Association of Plastic Recyclers, is pleased to recognize Kim Pack Company Limited 's Kim Pai Go Green 300, 350, and 380 micron HDPE/LLDPE, non-metallized and decorated tubes with 3.9% or less ethylene vinyl alcohol barrier layer and tie layer and an HDPE shoulder and PP closure and also Kim Pai Go Green 250 micron HDPE/LLDPE, metallized and decorated tube with 4.4% or less ethylene vinyl alcohol barrier layer and tie layer and an HDPE shoulder, with and without a PET shoulder insert, and PP closure as meeting or exceeding the most strict APR HDPE Critical Guidance criteria of HDPE-CG-01 and the APR HDPE Bottle-to-Bottle protocols and hereby so states. This APR recognition is based on the technical recyclability of the packaging tube innovation with HDPE bottles and includes achieving the APR Design Guide Preferred category for sorting of aluminum metallized surface tubes.

A Review Committee, appointed per the APR Recognition Operating Procedures, reviewed your April 7, 2021 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 Kim Pack Co. for additional testing to further demonstrate the compatibility of the Go Green tubes with HDPE bottle recycling through the Applications Guidance HDPE-A-01 Bottle-to-Bottle testing and the metallized tube testing with the SORT-B-03 protocol.

This APR Recognition applies to the tubes for which data were submitted. The HDPE Critical Guidance and Bottle-to-Bottle documents that were used to evaluate the Go Green tubes 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 Kim Pack Co. for voluntarily submitting these packaging tubes for Recognition. The impact of these protocols is beneficial to world-wide recycling efforts. Meeting the Critical Guidance Document, Bottle-to-Bottle protocol, and SORT-B-03 guidelines are truly significant steps in demonstrating overall recyclability of your tubes and decoration.

Our recognition applies only to the decorated Go Green tubes tested. 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 Kim Pack Co. 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

APR President and CEO

The Voice of Plastics Recycling™

