



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

www.plasticsrecycling.org

26 February 2021

Dr. Matthias Wilhelm
TUPACK VERPACKUNGEN GmbH
Warneckestrasse 5
A – 1110 Wien, Austria

Dear Dr. Wilhelm:

APR, the Association of Plastic Recyclers, is pleased to recognize TUPACK Verpackungen GmbH's decorated HDPE blend tube, without and with less than 5% ethylene vinyl alcohol co-extruded barrier layer and maleated polyolefin tie layer, and low-melt flow index HDPE shoulder and HDPE closure as meeting or exceeding the most strict APR HDPE Critical Guidance criteria, HDPE-CG-02. The HDPE blend is HDPE with a minority of LLDPE. The tubes recognized are equal to and over 40 mm in diameter. 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 December 20, 2020 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 TUPACK for additional testing to further demonstrate the proper sortability of tubes equal to and over 40 mm in diameter. APR also thanks TUPACK for its work to develop a HDPE closure of an appropriate plastic.

This APR Recognition applies to the tubes on which data were submitted including closure. The HDPE Critical Guidance document that was used to evaluate the TUPACK tubes is 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 Document directs 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 container stream by aiding innovators to make informed decisions about the consequences of packaging innovations. APR thanks TUPACK GmbH for voluntarily submitting its tubes for Recognition. The impact of these protocols is beneficial to world-wide recycling efforts. Meeting the Critical Guidance protocol is truly significant steps in demonstrating overall recyclability of your tube, closure, and decoration.

Our recognition applies only to the decorated tubes and closure. 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 TUPACK 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

A handwritten signature in black ink, appearing to read 'A. B. B.', is written over a white rectangular background.

President and CEO

The Voice of Plastics Recycling™

