



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

www.plasticsrecycling.org

December 5, 2016

Mr Erkki Nyberg
UPM Raflatac
Alvar Aallon Katu 1
00101 Helsinki
Finland

Dear Mr. Nyberg:

APR, the Association of Plastic Recyclers, is pleased to recognize UPM Raflatac's RafShrink PO MDO 40 LS and RafShrink PO TDO 45 HS undecorated sleeve labels as meeting or exceeding APR's Sleeve Label for PET Bottles Critical Guidance Document requirements and hereby so states. This recognition does not include inking systems.

A Review Committee, appointed per the APR Recognition Operating Procedures, reviewed your September 30, 2016 data submission and concluded the data were correctly obtained by a qualified laboratory and were completely presented to show the labels submitted meet or exceed all critical guidance.

The Sleeve Label for PET Bottles Critical Guidance Document is the product of multi-industry consensus of key issues related to the recycling of postconsumer PET bottles. The Document directs innovators to conduct specific testing per established testing procedures and then provides the innovator with guidance to interpret the results. The APR recognition is based on the innovation meeting or exceeding the most challenging test conditions and strictest guidance criteria.

APR thanks UPM Raflatac for its cooperation in using this important protocol. The protocol is intended to improve the quality of recycled bottles by helping innovators to make informed decisions about the consequences of PET bottle innovations. The impact of this protocol is beneficial to world-wide recycling efforts.

Our recognition applies only to UPM Raflatac's undecorated sleeve labels and not necessarily to bottles using the labels as those bottles would need to be tested themselves to demonstrate the system of resin, label inks, adjuvants, and closure conformed to the APR Critical Guidance Document. APR encourages all users of the RafShrink PO MDO 40 LS and RafShrink PO TDO 45 HS sleeve labels to be sure the label decoration inks do not disperse or dissolve into hot wash water. Meeting the Critical Guidance Document guidelines is a truly significant step in demonstrating overall recyclability of your label system.

Yours truly

Stephen Alexander
APR Executive Director

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