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Pioneering Oxo-biodegradable Plastic Technology

CERTIFICATE

of

the Degradability and Biodegradability

for Products

made by

Inteplast Group, Ltd. LP (Integrated Bagging System Division)

that incorporate EPI TDPA® additive

This is to certify that TDPA® additives incorporated in Polyethylene bag samples, submitted by Inteplast Group, Ltd. LP (Integrated Bagging System Division), have been evaluated and tested in accordance to ASTM D 6954-04 which is the standard guide developed for Exposing and Testing Plastics that Degrade in the Environment by a Combination of Oxidation and Biodegradation. Polyethylene bags, when made with TDPA® and disposed in a landfill, are degradable within 12 to 24 months. In the presence of microorganisms, moisture, and oxygen the degraded plastic will ultimately biodegrade into simpler materials found in nature, as described in ASTM D 6954-04.

The ultimate biodegradation of products containing TDPA® additives has been studied by Professor Emo Chiellini, a world-renowned biometrics expert from the University of Pisa and found to biodegrade to the extent of 65 – 75% mineralization (i.e. microbial conversion of carbon to carbon dioxide) plus 10 – 15% carbon to cell biomass formation.

Certified & Approved by EPI:

A Koutsandreas, P. Eng
Technical Manager
EPI Environmental Products Inc.