



EPI Environmental Products Inc.

801 - 1788 West Broadway
Vancouver, BC V6J 1Y1 Canada
Tel: +1 (604) 738-6281
Fax: +1 (604) 738-7839
Email: info@epi-global.com
Website: www.epi-global.com

Pioneering Oxo-biodegradable Plastic Technology

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CERTIFICATE

of

*the Degradability and Biodegradability of Polythene film or bags
made by*

ACHAIKA PLASTICS S.A.

that incorporate the EPI TDPA® additive

This is to certify that additives incorporated in Polyethylene (PE) bags and film samples, submitted by Achaika Plastics S.A., 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. PE 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 PE products containing TDPA® additives has been studied by Professor Emo Chiellini, a world-renown 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:

Andy Koutsandreas
Technical Manager
EPI Environmental Products Inc.