



C&L America Inc. Bio-PET and Bio-Propylene

C&L America Inc. is proud to introduce its new line of 100% BIODEGRADABLE plastic containers made in either PET or Polypropylene material. Our proprietary additive allows us to offer our customers biodegradable plastic products that are priced competitively with, and have the same mechanical characteristics as, traditional non-degradable products.

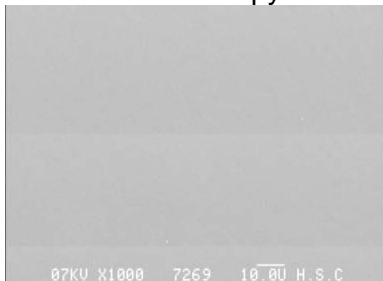
This revolutionary technology renders the finished plastic products biodegradable, while maintaining their other desired characteristics.

Plastic products made with Bio-PET and Bio-Propylene

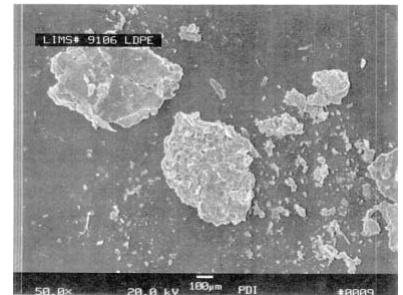
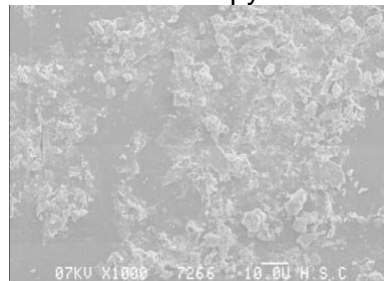
- **Fully biodegrade in 9 months to 5 years.**
- **Fully biodegrade wherever they are disposed of where other things are biodegrading (anaerobically and aerobically):**
 - In Landfills,
 - In Compost (backyard as well as commercial facilities),
 - Buried in the ground or littered
 - Agricultural and erosion- control settings.
- **Are recyclable**
- **Can be made with recycled resins.**
- **Do not use heat, light or mechanical stress to break them down.**
- **Do not require special handling (unlike PLA and oxodegradable products).**
- **Do not contain heavy metals (unlike most oxodegradable products).**

Plastic Bag Film Samples Buried in Same Soil for a Month

Without Bio-Propylene



With Bio-Propylene



The process continues until the plastic products become part of the soil just like biodegraded sticks or other pieces of wood become part of the soil...

For APET containers or Polypropylene microwaveable containers, the results are the same. Starch based resins (PLA) actually do not biodegrade in landfills, where 90% of non-recycled plastic packaging ends up, and will not recycle with PET material. You can give your package the marketing edge, especially at retailers like WalMart™ with very little added cost, and provide a package that actually does what is says it will do.

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C&L America Inc.

Bio-PET and Bio-Propylene

Bio-Pet and Bio-Propylene is C&L America Inc.'s trade name for a proprietary additives supplied by third parties that render standard PET and Polypropylene 100% biodegradable in both landfills (anaerobic) and composting / littering (aerobic) conditions. The exact makeup and source of the additives are proprietary and confidential. Product specifications and further documentation are available only however under signed secrecy agreement. However, independent testing has been done on the materials by the additive manufacturers to allow us to make the following statement:

CERTIFICATE

Of Biodegradability of Bio-PET and Bio-Propylene Products Made by
C&L America Inc.

This is to certify that numerous plastic samples with the exact makeup of Bio-PET and Bio-Propylene have been tested by independent laboratories in accordance with standard test methods approved by ASTM, ISO and other such standardization bodies to determine the rate and extent of biodegradation of such plastic materials.

A Degradable Plastic is defined (ASTM 1991) as a plastic that is designed to undergo a significant change in its chemical structure under specific environmental conditions resulting in a loss of some properties that may vary as measured by standard test methods appropriate to the plastic and the application in a period of time that determines its classification. A Biodegradable Plastic is defined as a degradable plastic in which the degradation results fro the action of naturally occurring microorganisms such as bacteria, fungi and algae.

The biodegradation of the submitted plastic samples was tested using ASTM D5209-91, "Standard Test Method for Determining the Aerobic Biodegradation of Plastic Materials in the Presence of Municipal Sewage Sludge", ASTM D5338.98, "Standard Test Method for Determining Aerobic Biodegradation of Plastic Materials under Controlled Composting Conditions", which is equivalent to CEN prEN WI 261085, and the ISO 14855 method, "Evaluation of the Ultimate Aerobic Biodegradability and Disintegration of Plastics under Controlled Composting Conditions", ASTM 5511, "Standard Test Method for Determining Anaerobic Biodegradation of Plastic Materials Under High-Solids Anaerobic Digestion Conditions." The results of these tests and the related biodegradation and ecological impact experiments in various environments are contained in an Ecological Assessment of Bio-Pet and Bio-Propylene type materials report dated February 16, 1999, which verifies that plastic products with the exact makeup of Bio-Pet and Bio-Propylene can be marketed as biodegradable and safe for the environment.

This Certificate and the Ecological Assessment report, along with Scanning Electron Microscope and other studies that have been conducted since the publication for the Ecological Assessment report, all of which use materials identical to Bio-Pet and Bio-Propylene are presented to _____, and may be used by it to validate its claims to the biodegradability and environmental safety of plastic products known as Bio-PET and Bio-Propylene products that we manufacture which are made consistent with the manufacturing guidelines for uses of the proprietary additives presented by the respective additive manufacturers.

Dated: _____, 2007

Certified by: _____

Carl L. Zamecnik / COO / C&L America Inc.