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June 22, 2010

e2e Foodpack  
147 Liberty St.  
Toronto, Ontario, M6K 3G3

Attention: George Kneisel

Dear George:

My compost staff have completed the trial on your product :

Product :

Approximately 100 pieces of mixed e2e GS-PLA cutlery & 50 pieces of bagasse plates and clamshells

Trial Procedure:

- Product mixed in Phase 1 of the Gore composting process with feedstock recipe. The insertion point was flagged to ensure e2e waste tracking.
- Product had broken down significantly at the end of the 4 week phase 1 processing period.
- Further breakdown during the 2 week Phase 2 processing stage left few distinguishable pieces of product.
- When material was processed at the end of the final 2 week finishing period and put through a 3/8 inch screen, no visible product remained to be screened out.

Summary :

Given your product's complete disintegration in our process, we consider the trial a success based on our observations and the data accumulated.

Sincerely;

A handwritten signature in blue ink, appearing to read "Allan Hamilton".

Allan Hamilton, MBA  
Operations Manager  
Norterra Organics.



## **Test for Degradation of Degradable Cutlery and Dishes**

### **Introduction**

At the request of Mr. George Kneisel of e2e Foodpack, New Era Technologies carried out testing for the bio degradability of his company's products in a HotRot composting vessel.

### **Materials:**

The Company supplied the following materials for testing in the unit:

**12 Small Containers - 12 Large Containers - 12 small plates - 12 large plates  
24 knives - 24 spoons - 24 forks**



**Trays and Lids**

**Cutlery, Plates and Trays**

The various plates and bowls were stated to be manufactured from bagasse while the cutlery was manufacture from a poly lactic acid (PLA) base.

All items were placed directly into the front end of a HotRot 1811 composting unit which was processing SSO (Source Separated Organic) waste which had been collected from the residential and commercial sectors of Halifax Regional Municipality. All of the material was introduced in an "as received state", without shredding or chopping or tearing of any sort.

The operators log and findings are attached to this report which clearly states as a conclusion that all of the test materials which were introduced to the HotRot unit as a part of this trial, had completely disappeared. Based on the operator's log, none of the materials introduced for the trial was ever observed after October 10<sup>th</sup>. Also based on these observations, it appears that all of the test products could have broken down within a five day period and it appears evident that the test products had completely composted successfully following 10 days in the HotRot unit.

The photo below is that of plastic cutlery which was found in the screenings from the 10 day trial period. It should be carefully noted that none of this cutlery matches the cutlery which was supplied by e2e Foodpack.



If you require further information regarding any details of this trial, please contact:

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