

Eden Research Laboratory

To: Ecologic

Date: February 4, 2020

From: Thomas Poth

Number of pages including cover: 1

Regarding: ASTM D5511 Ecologic Study BOPP update (1996 days)

Update

2412 Princeton NE, Suite E

Albuquerque, NM 87107

T 505.508.3994

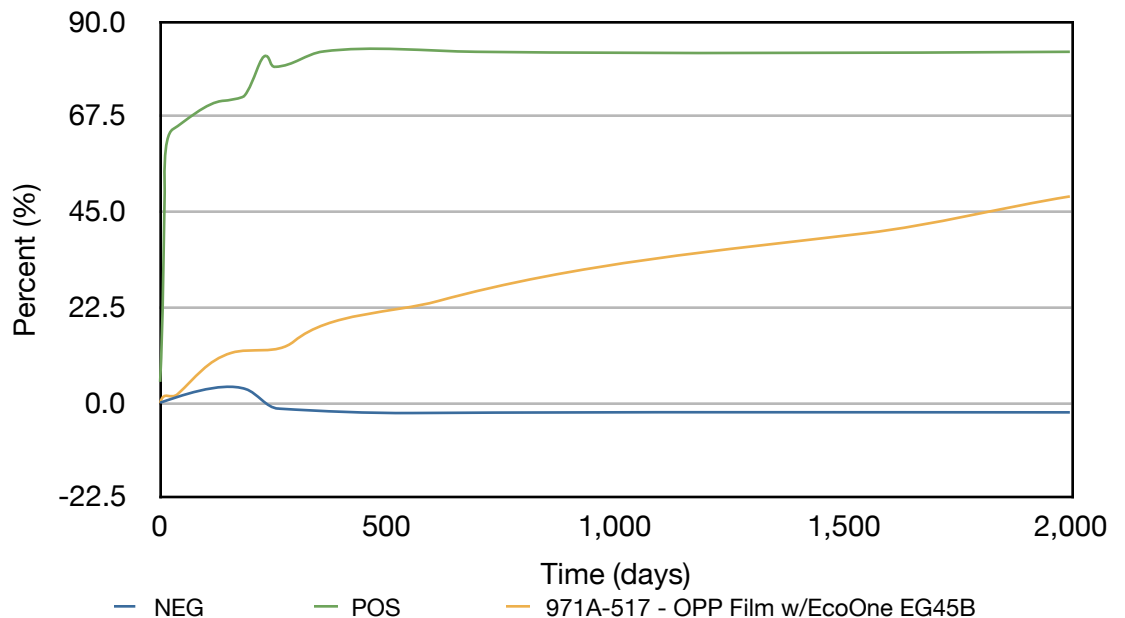
M 505.550.9316

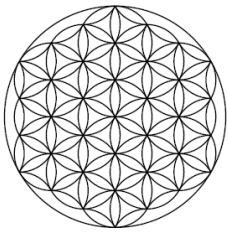
thomas.poth@edenresearchlab.com

| | Inculum | Negative | Positive | 517 - BOPP Film w/Eco-One EG45B |
|----------------------------------|---------|----------|----------|---------------------------------|
| Cumulative Gas Volume (mL) | 2781.0 | 2392.3 | 10692.2 | 19786.4 |
| Percent CH ₄ (%) | 47.3 | 46.2 | 41.1 | 53.9 |
| Volume CH ₄ (mL) | 1314.4 | 1104.6 | 4397.0 | 10674.6 |
| Mass CH ₄ (g) | 0.94 | 0.79 | 3.14 | 7.62 |
| Percent CO ₂ (%) | 38.4 | 38.3 | 42.2 | 35.8 |
| Volume CO ₂ (mL) | 1066.6 | 916.4 | 4512.0 | 7086.1 |
| Mass CO ₂ (g) | 2.10 | 1.80 | 8.86 | 13.92 |
| Sample Mass (g) | 1,000 | 10 | 10 | 20.0 |
| Theoretical Sample Mass (g) | 0.0 | 8.6 | 4.2 | 16.7 |
| Biodegraded Mass (g) | 1.28 | 1.08 | 4.77 | 9.51 |
| Percent Biodegraded (%) | | -2.3 | 82.9 | 49.2 |
| Adjusted Percent Biodegraded (%) | | -2.7 | 100.0 | 59.4 |

* The adjusted % biodegraded values are for informational purposes. It is not part of the method and will not be reported in the final report.

Biodegradation





Eden Research Laboratory

Update

2412 Princeton NE, Suite E
Albuquerque, NM 87107
T 505.508.3994
M 505.550.9316

thomas.poth@edenresearchlab.com

Biodegradation

