

Eden Research Laboratory

To: [REDACTED]

Date: 7/6/11

Update

From: Thomas Poth

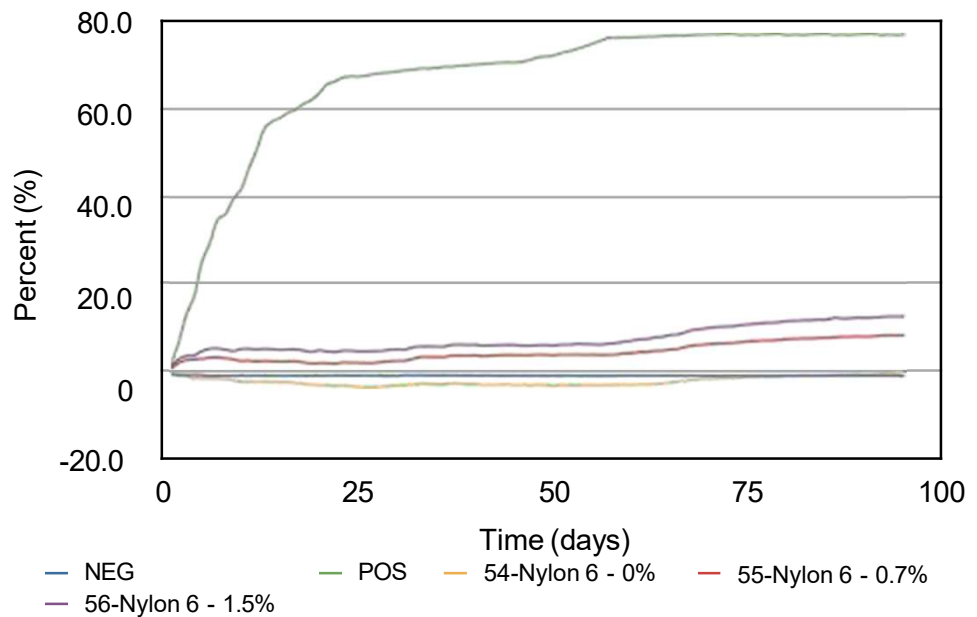
Number of pages including cover: 1

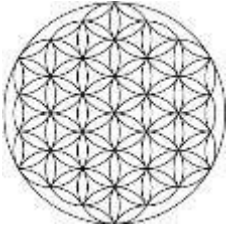
Regarding: Various Samples (95 days)

2111 Menaul NE, Suite A
 Albuquerque, NM 87107
 T 505.508.3994
 M 505.550.9316
thomas.poth@edenresearchlab.com

| | Inocu- lum | Nega- tive | Positive | Nylon 6 - 0% 54A | Nylon 6 - 0.7% 55A | Nylon 6 - 1.5% 56A |
|----------------------------------|---------------|---------------|----------|------------------------|--------------------------|--------------------------|
| Cumulative Gas Volume (mL) | 3028.4 | 4507.0 | 18962.7 | 3276.1 | 6037.1 | 6458.2 |
| Percent CH ₄ (%) | 57.7 | 29.5 | 46.4 | 40.8 | 32.8 | 38.7 |
| Volume CH ₄ (mL) | 1746.3 | 1331.5 | 8802.5 | 1336.8 | 1977.8 | 2498.0 |
| Mass CH ₄ (g) | 1.25 | 0.95 | 6.29 | 0.95 | 1.41 | 1.78 |
| Percent CO ₂ (%) | 14.7 | 17.0 | 32.6 | 30.7 | 38.7 | 43.9 |
| Volume CO ₂ (mL) | 443.7 | 768.0 | 6182.9 | 1006.4 | 2337.9 | 2837.5 |
| Mass CO ₂ (g) | 0.87 | 1.51 | 12.14 | 1.98 | 4.59 | 5.57 |
| Sample Mass (g) | 1,000 | 20 | 20 | 20 | 20 | 20 |
| Theoretical Sample Mass (g) | 0.0 | 17.1 | 8.8 | 12.8 | 12.8 | 12.8 |
| Biodegraded Mass (g) | 1.17 | 1.12 | 8.03 | 1.26 | 2.31 | 2.86 |
| Percent Biodegraded (%) | | -0.3 | 77.5 | 0.6 | 8.9 | 13.2 |
| Adjusted Percent Biodegraded (%) | | -0.4 | 100.0 | 0.8 | 11.5 | 17.0 |

Biodegradation





Eden Research Laboratory

Update

2111 Menaul NE, Suite A
Albuquerque, NM 87107
T 505.508.3994
M 505.550.9316
thomas.poth@edenresearchlab.com

Biodegradation

