



Eden Research Laboratory

To: BioSphere

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From: Thomas Poth

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Regarding: ASTM D 5511-11 test update for Clear PET - 1301 days

Update

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

	Inculum	Negative	Positive	634 - Clear Plastic Container
Cumulative Gas Volume (mL)	4383.6	4573.3	13675.2	28086.2
Percent CH ₄ (%)	45.0	54.2	44.1	51.5
Volume CH ₄ (mL)	1974.2	2480.7	6031.6	14474.4
Mass CH ₄ (g)	1.41	1.77	4.31	10.34
Percent CO ₂ (%)	39.4	36.2	40.4	35.0
Volume CO ₂ (mL)	1728.8	1655.6	5523.4	9834.8
Mass CO ₂ (g)	3.40	3.25	10.85	19.32
Sample Mass (g)	1,000	10	10	20.0
Theoretical Sample Mass (g)	0.0	8.6	4.4	12.4
Biodegraded Mass (g)	1.98	2.22	6.19	13.02
Percent Biodegraded (%)		2.7	95.2	89.2

Biodegradation

