

Eden Research Laboratory

To: EcoLogic

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Update

From: Thomas Poth

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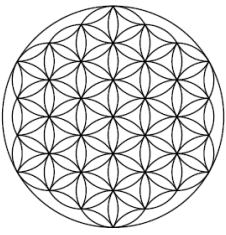
Regarding: Testing under ASTM D5511 of PA6.6 ECO Samples (347,349) (1386 Days)

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	Inculum	Negative	Positive	347 - 5e7 Control	348 - 9e10 1% EC64	349 - 6e8 2% EC64
Cumulative Gas Volume (mL)	3753.4	3263.8	12061.8	5639.1	17764.2	26307.8
Percent CH ₄ (%)	43.9	44.8	43.6	45.6	51.2	60.7
Volume CH ₄ (mL)	1648.5	1463.6	5259.0	2568.9	9092.6	15962.3
Mass CH ₄ (g)	1.18	1.05	3.76	1.83	6.49	11.40
Percent CO ₂ (%)	43.9	44.8	43.6	45.5	51.2	51.8
Volume CO ₂ (mL)	1648.5	1463.6	5259.0	2563.5	9088.6	13627.7
Mass CO ₂ (g)	3.24	2.87	10.33	5.04	17.85	26.77
Sample Mass (g)	1,000	10	10	20.0	20.0	20
Theoretical Sample Mass (g)	0.0	8.6	4.4	17.1	17.1	17.1
Biodegrade d Mass (g)	1.77	1.57	5.63	2.75	9.74	15.85
Percent Biodegrade d (%)		-2.3	87.5	5.7	46.5	82.2
* Adjusted Percent Biodegrade d (%)		-2.6	100.0	6.6	53.2	93.9

* Outside of the ASTM D5511 method and on the assumption that the positive control (Cellulose) will fully biodegrade, all value have been proportionally adjusted.



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