



Eden Research Laboratory

To: BioAqua Life

Date: June 12, 2026

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Number of pages including cover: 1

Regarding: ASTM D5511 study update for samples - 1067 days

Update

	Inoculum	Negative	Positive	3983 - 7.5 Mil shrinkwrap plastic
Cumulative Gas Volume (mL)	2791.8	2781.0	11421.7	27510.9
Percent CH ₄ (%)	45.6	44.8	32.7	53.4
Volume CH ₄ (mL)	1274.2	1244.7	3732.6	14685.4
Mass CH ₄ (g)	0.91	0.89	2.67	10.49
Percent CO ₂ (%)	39.4	37.2	46.5	35.4
Volume CO ₂ (mL)	1099.4	1035.5	5315.1	9743.2
Mass CO ₂ (g)	2.16	2.03	10.44	19.14
Sample Mass (g)	10	10	10	20.0
Theoretical Sample Mass (g)	0.0	8.6	4.2	15.0
Biodegraded Mass (g)	1.27	1.22	4.85	13.09
Percent Biodegraded (%)		-0.6	84.7	78.8
* Adjusted Percent Biodegraded (%)		-0.7	100.0	93.0

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

Biodegradation

