



Eden Research Laboratory

To: Cocona

Date: January 19, 2021

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Number of pages including cover: 1

Regarding: ASTM D5511 study for Cocona Sample (2075) - 726 days

Up -

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	Inculum	Negative	Positive	1.5-PS3252 SD (37.5 with enhanced biodegradation) -1% loading level of Biosphere
Cumulative Gas Volume (mL)	1908.0	1988.2	9826.9	17650.1
Percent CH <sub>4</sub> (%)	49.6	46.9	41.0	51.1
Volume CH <sub>4</sub> (mL)	946.6	932.6	4030.6	9026.0
Mass CH <sub>4</sub> (g)	0.68	0.67	2.88	6.45
Percent CO <sub>2</sub> (%)	37.5	37.8	41.8	36.0
Volume CO <sub>2</sub> (mL)	716.0	750.8	4103.4	6356.5
Mass CO <sub>2</sub> (g)	1.41	1.47	8.06	12.49
Sample Mass (g)	10	10	10	15
Theoretical Sample Mass (g)	0.0	8.6	4.2	9.3
Biodegraded Mass (g)	0.89	0.90	4.36	8.24
Percent Biodegraded (%)		0.1	82.2	78.8
* Adjusted Percent Biodegraded (%)		0.2	100.0	95.9

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

### Biodegradation

