

Eden Research Laboratory

To: Anguiplast

Date: September 24, 2020

From: Thomas Poth

Number of pages including cover: 2

Regarding: ASTM D5511-18 study update for Anguiplast Samples - 780 days

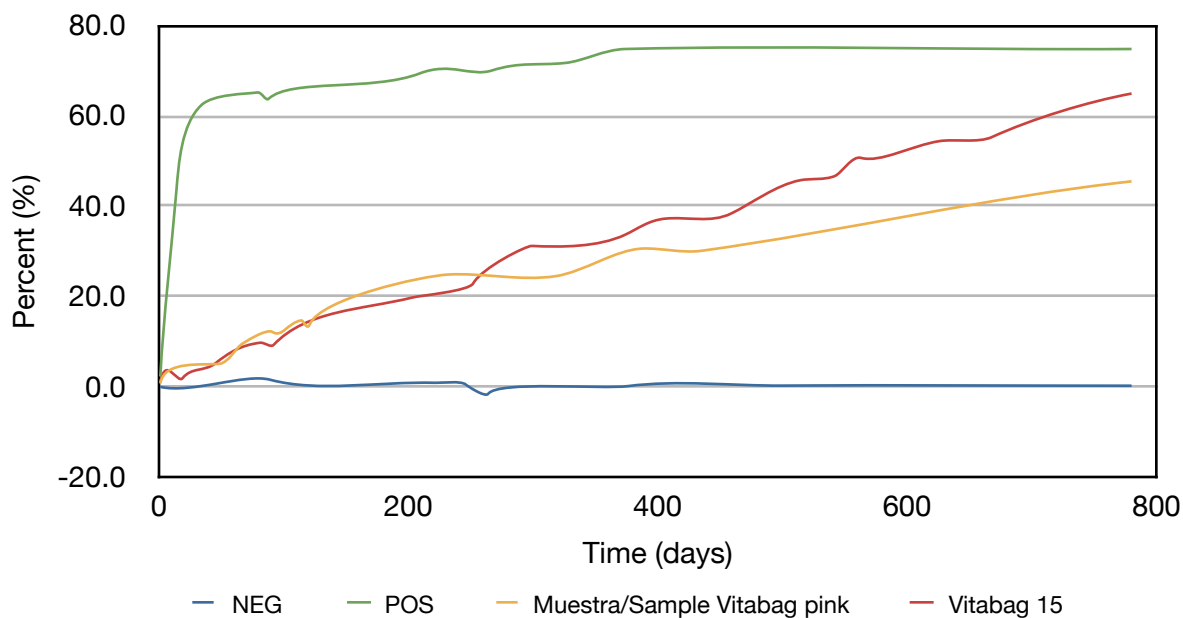
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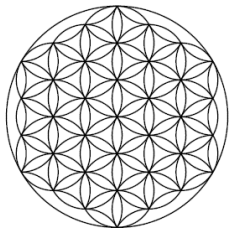
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	Inculum	Negative	Positive	Muestra/ Sample Vitabag pink	Vitabag 15
Cumulative Gas Volume (mL)	3013.9	3118.8	11594.5	15666.5	24009.6
Percent CH ₄ (%)	43.7	43.5	30.9	49.5	51.6
Volume CH ₄ (mL)	1318.1	1357.7	3585.4	7754.3	12381.0
Mass CH ₄ (g)	0.94	0.97	2.56	5.54	8.84
Percent CO ₂ (%)	37.1	36.6	40.9	34.8	34.7
Volume CO ₂ (mL)	1117.9	1141.6	4738.2	5458.1	8329.5
Mass CO ₂ (g)	2.20	2.24	9.31	10.72	16.36
Sample Mass (g)	10	10	10	20.0	20.0
Theoretical Sample Mass (g)	0.0	8.6	4.2	12.7	15.1
Biodegraded Mass (g)	1.30	1.34	4.46	7.08	11.09
Percent Biodegraded (%)		0.4	74.7	45.5	64.9
* Adjusted Percent Biodegraded (%)		0.5	100.0	60.9	86.8

Biodegradation





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Biodegradation

