

Eden Research Laboratory

To: ACME Seals

Date: May 10, 2019

Update

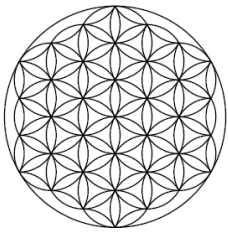
From: Thomas Poth

Number of pages including cover: 2

Regarding: ACME Seals Sample (184 days)

2412 Princeton NE, Suite E
Albuquerque, NM 87107
T 505.508.3994
M 505.550.9316
thomas.poth@edenresearchlab.
com

	Inculum	Negative	Positive	P/Blue 1% BIO
Cumulative Gas Volume (mL)	1416.0	1585.6	9083.4	8660.8
Percent CH ₄ (%)	41.7	43.2	39.0	47.3
Volume CH ₄ (mL)	590.8	684.6	3539.9	4099.3
Mass CH ₄ (g)	0.42	0.49	2.53	2.93
Percent CO ₂ (%)	40.2	38.8	42.5	37.4
Volume CO ₂ (mL)	568.6	615.0	3861.9	3236.4
Mass CO ₂ (g)	1.12	1.21	7.59	6.36
Sample Mass (g)	10	10	10	20.0
Theoretical Sample Mass (g)	0.0	8.6	4.2	17.1
Biodegraded Mass (g)	0.62	0.70	3.97	3.93
Percent Biodegraded (%)		0.9	79.2	19.3
* Adjusted Percent Biodegraded (%)		1.1	100.0	24.4

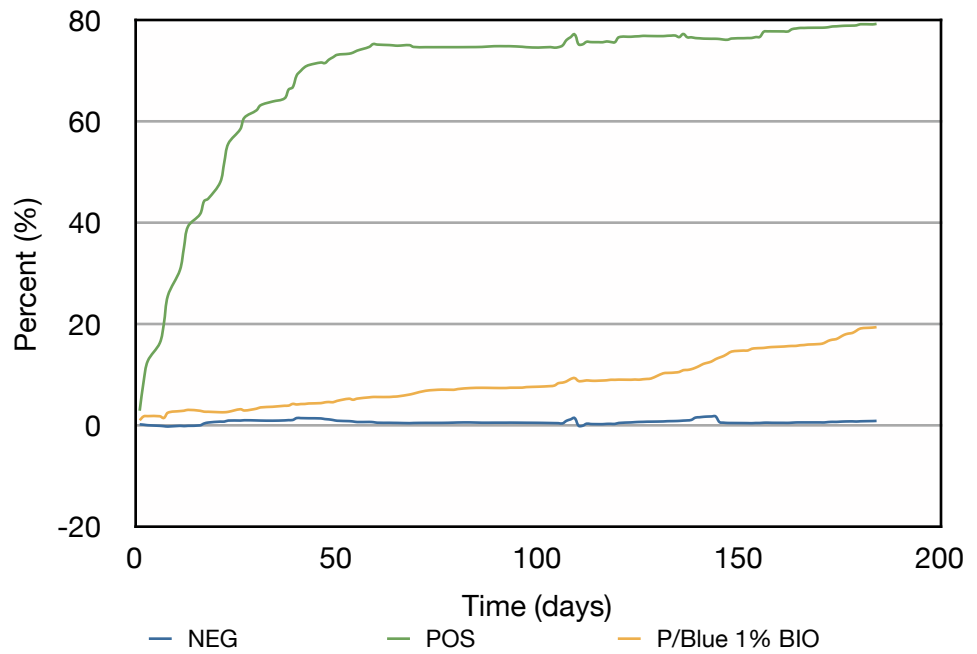


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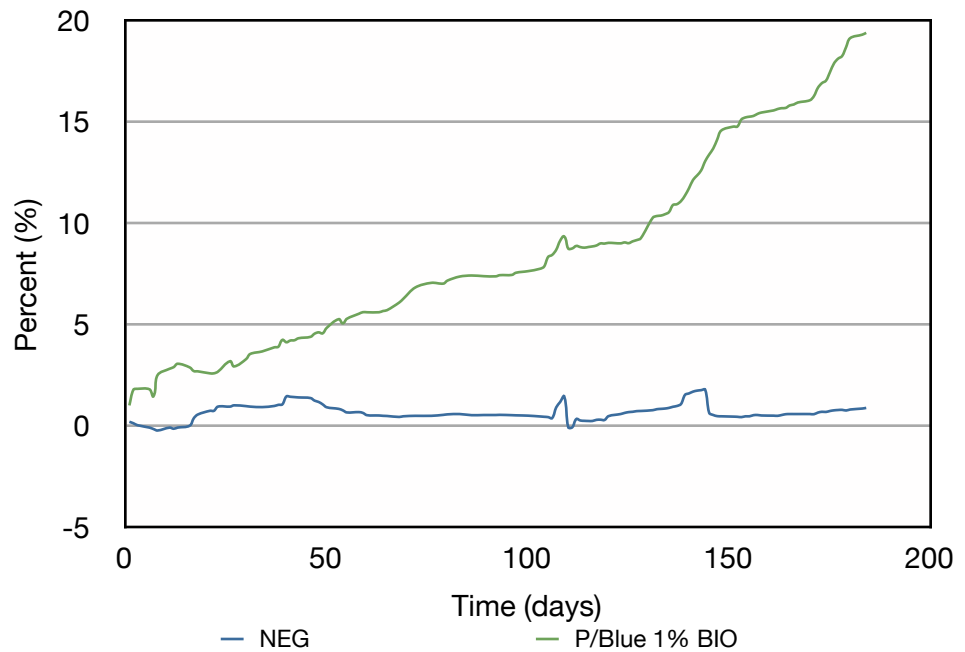
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Biodegradation



Biodegradation



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