

Eden Research Laboratory

Up-

To: Mega Fortris

Date: Jul 10, 2020

From: Thomas Poth

Number of pages including cover: 3

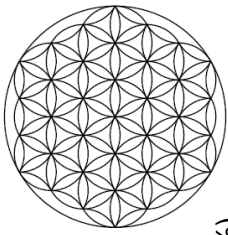
Regarding: D5511 Sample ERL#2121-2127 (472 days)

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	Inculum	Negative	Positive	#1 PP Bio White plastic tabs	#2 GPPS (cap) Bio	#3 ABS + Bio Hard Plastic	#4 PC + Bio Clear Plastic
Cumulative Gas Volume (mL)	1375.9	1277.1	9850.0	7192.4	5233.5	7180.0	10178.5
Percent CH ₄ (%)	42.4	39.1	39.5	49.6	50.4	50.7	50.3
Volume CH ₄ (mL)	583.4	499.3	3895.6	3569.8	2638.6	3643.2	5123.8
Mass CH ₄ (g)	0.42	0.36	2.78	2.55	1.88	2.60	3.66
Percent CO ₂ (%)	40.4	40.0	42.3	37.8	37.7	36.5	36.6
Volume CO ₂ (mL)	555.5	511.3	4164.9	2716.6	1972.7	2624.1	3723.3
Mass CO ₂ (g)	1.09	1.00	8.18	5.34	3.87	5.15	7.31
Sample Mass (g)	10	10	10	20.0	20.0	13	20
Theoretical Sample Mass (g)	0.0	8.6	4.2	16.7	18.4	11.4	15.1
Biodegraded Mass (g)	0.61	0.54	4.32	3.37	2.47	3.36	4.74
Percent Biodegraded (%)		-0.8	87.9	16.5	10.1	24.1	27.3
* Adjusted Percent Biodegraded (%)		-0.9	100.0	18.8	11.5	27.4	31.1

	Inculum	Negative	Positive	#5 San + Bio Clear Plastic	#6 Acetal + Bio Green Plastic	#7 Nylon + Bio White Plastic tabs
Cumulative Gas Volume (mL)	1372.8	1255.5	9865.4	5963.1	5364.6	8967.7
Percent CH ₄ (%)	42.4	38.8	39.6	45.3	47.7	48.3
Volume CH ₄ (mL)	581.5	487.3	3905.0	2701.3	2558.7	4333.9
Mass CH ₄ (g)	0.42	0.35	2.79	1.93	1.83	3.10
Percent CO ₂ (%)	40.4	40.1	42.3	38.2	37.3	37.0
Volume CO ₂ (mL)	554.4	503.8	4170.2	2280.3	2003.6	3317.6
Mass CO ₂ (g)	1.09	0.99	8.19	4.48	3.94	6.52
Sample Mass (g)	10	10	10	20.0	20.0	20
Theoretical Sample Mass (g)	0.0	8.6	4.2	16.3	10.8	12.5
Biodegraded Mass (g)	0.61	0.53	4.33	2.67	2.44	4.10
Percent Biodegraded (%)		-0.9	88.1	12.7	17.0	27.9
* Adjusted Percent Biodegraded (%)		-1.0	100.0	14.4	19.3	31.7



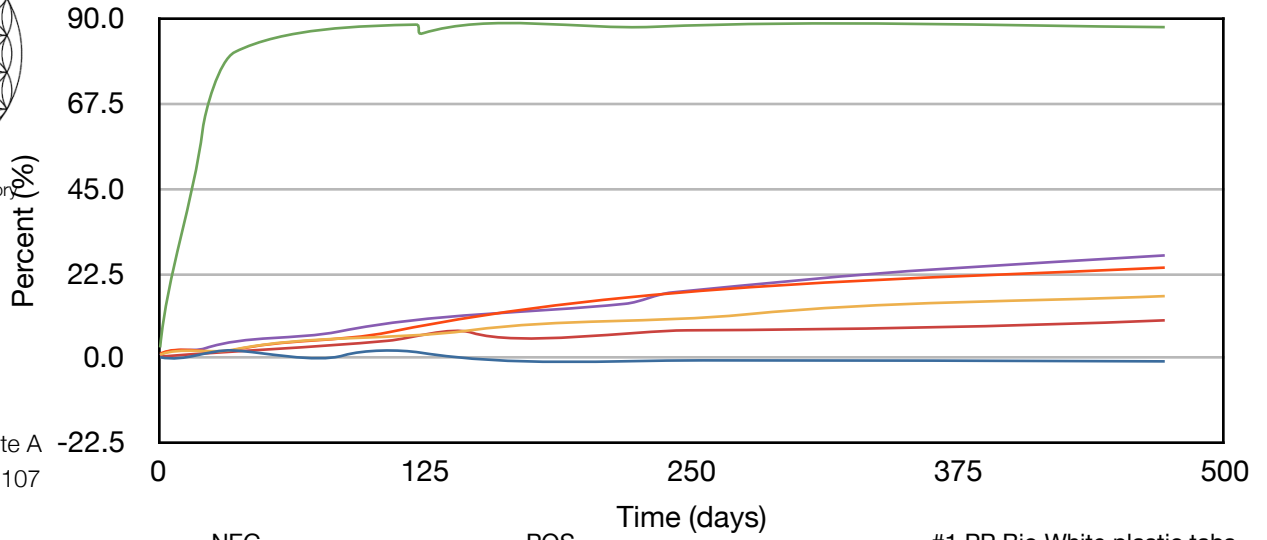
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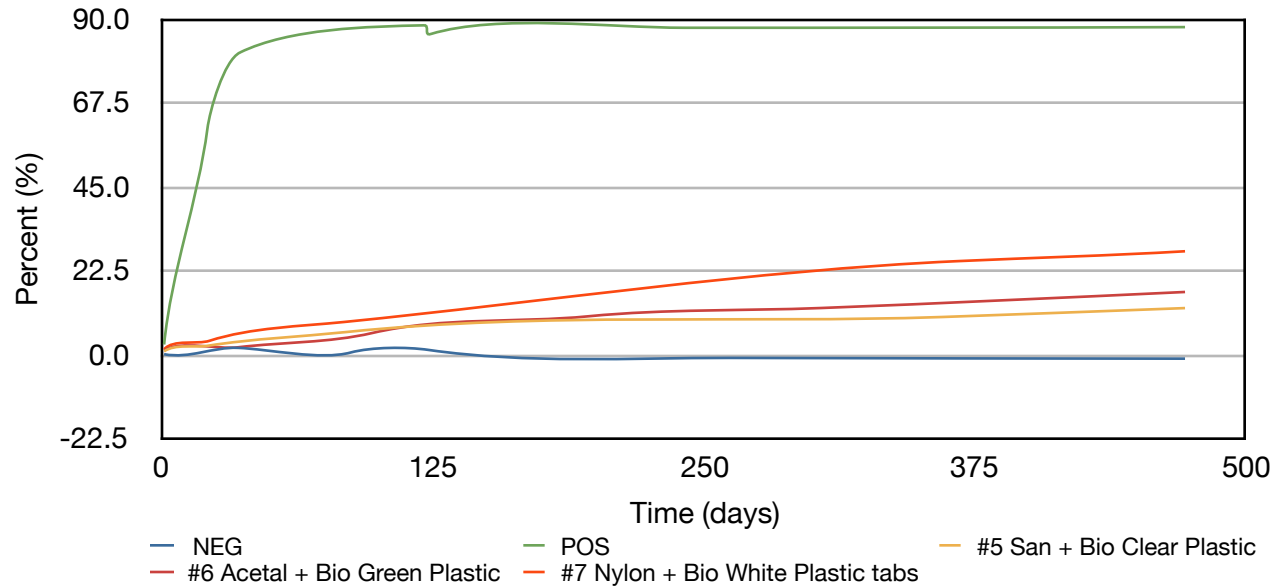
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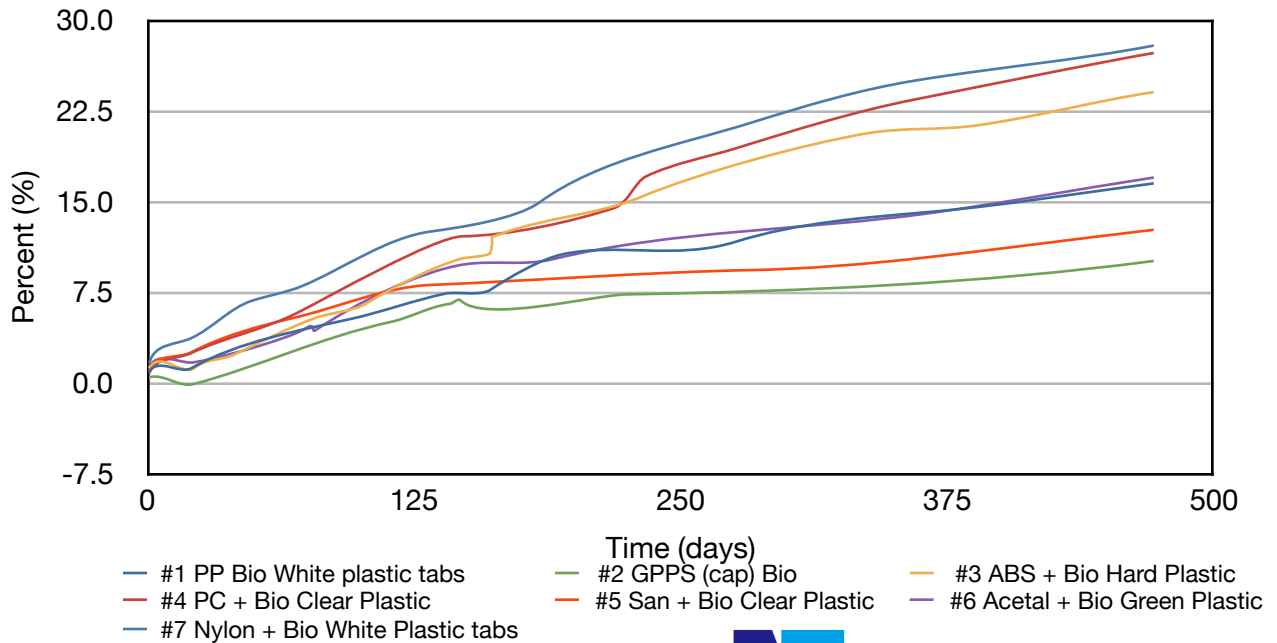
Biodegradation



Biodegradation



Biodegradation



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