

Eden Research Laboratory

Up-  
date

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Date: Jun 18, 2021

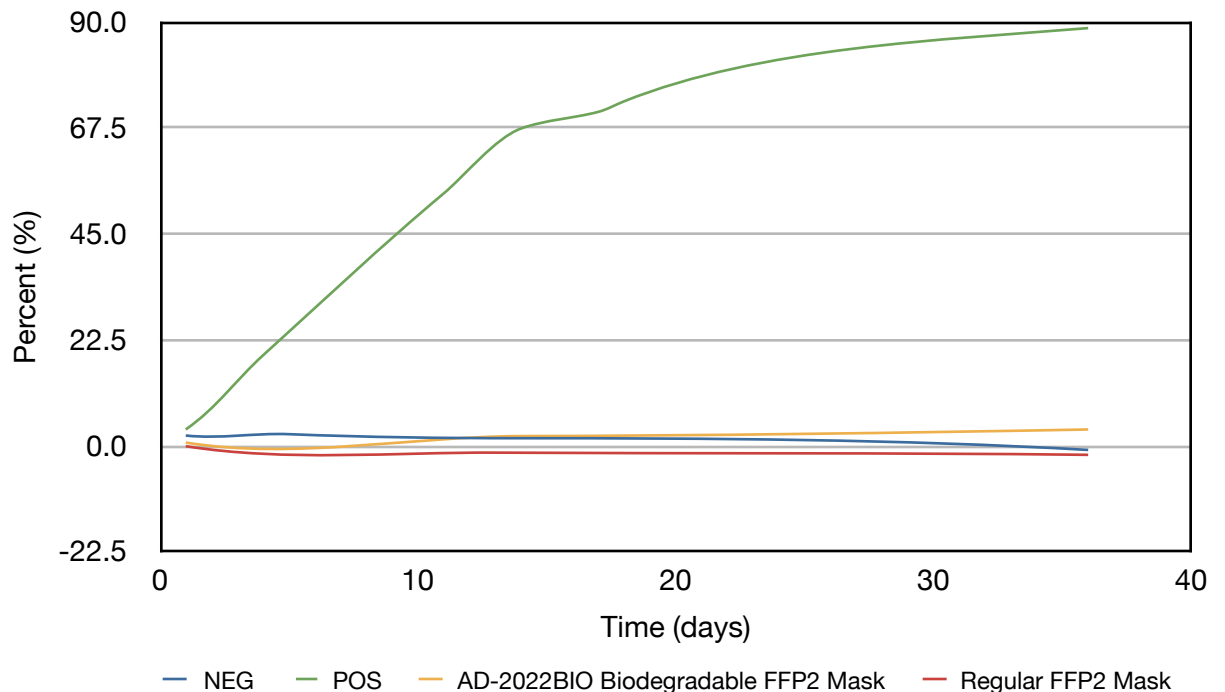
From: Thomas Poth

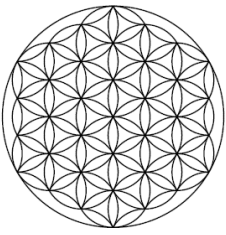
Number of pages including cover: 2

Regarding: ASTM D5511-18 (ISO 15985 Equivalent) study of Sample (36 days)

	Inculum	Negative	Positive	AD-2022 BIO Biodegrad- able FFP2 Mask	Regular FFP2 Mask
Cumulative Gas Volume (mL)	832.9	789.7	9455.1	2100.8	146.5
Percent CH <sub>4</sub> (%)	29.2	18.8	36.5	34.6	34.1
Volume CH <sub>4</sub> (mL)	242.8	148.6	3450.9	726.1	49.9
Mass CH <sub>4</sub> (g)	0.17	0.11	2.46	0.52	0.04
Percent CO <sub>2</sub> (%)	45.6	43.8	44.1	42.3	39.4
Volume CO <sub>2</sub> (mL)	379.6	345.6	4165.3	889.0	57.7
Mass CO <sub>2</sub> (g)	0.75	0.68	8.18	1.75	0.11
Sample Mass (g)	10	10	10	20.0	20.0
Theoretical Sample Mass (g)	0.0	8.6	4.2	15.0	15.0
Biodegraded Mass (g)	0.33	0.26	4.08	0.87	0.06
Percent Biodegraded (%)		-0.8	88.8	3.5	-1.8
* Adjusted Percent Biodegraded (%)		-0.9	100.0	4.0	-2.1

### Biodegradation





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## Biodegradation

