

Eden Research Laboratory

Up-  
date

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From: Thomas Poth

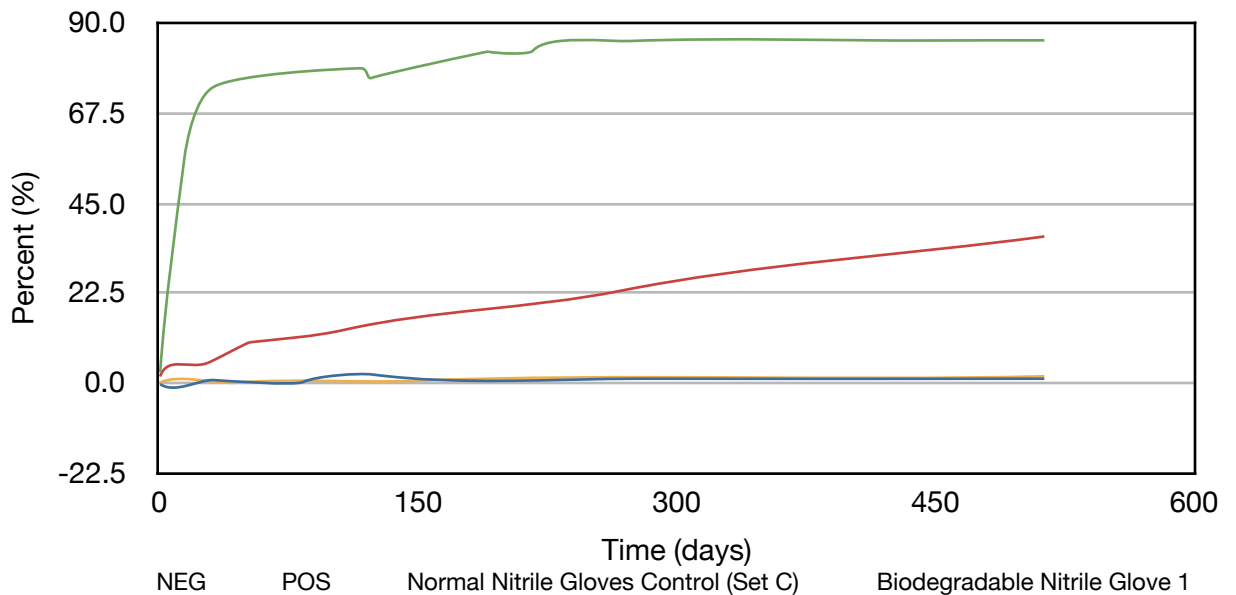
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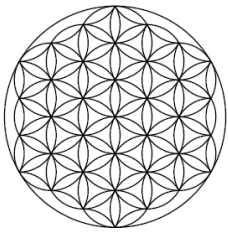
Regarding: D5511 for Biodegradable Gloves @ 48.3% Solids and @ 52±2°C (513 Days)

	Inculum	Negative	Positive	Normal Nitrile Gloves Control (Set C)	Biodegradable Nitrile Glove 1
Cumulative Gas Volume (mL)	1486.9	1755.3	9698.8	2321.4	14096.3
Percent CH <sub>4</sub> (%)	43.5	45.6	40.1	41.4	48.5
Volume CH <sub>4</sub> (mL)	647.0	800.6	3893.6	961.5	6834.9
Mass CH <sub>4</sub> (g)	0.46	0.57	2.78	0.69	4.88
Percent CO <sub>2</sub> (%)	40.0	37.5	42.0	37.0	37.1
Volume CO <sub>2</sub> (mL)	594.5	659.0	4074.9	859.2	5228.2
Mass CO <sub>2</sub> (g)	1.17	1.29	8.00	1.69	10.27
Sample Mass (g)	10	10	10	20.0	20.0
Theoretical Sample Mass (g)	0.0	8.6	4.2	15.8	15.8
Biodegraded Mass (g)	0.67	0.78	4.27	0.98	6.46
Percent Biodegraded (%)		1.4	85.4	2.0	36.7
* Adjusted Percent Biodegraded (%)		1.6	100.0	2.3	43.0

\* The adjusted % biodegraded values are for informational purposes. It is not part of the method and will not be reported in the final report.

### Biodegradation





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