



Biogas Potential (37°C) - 14 Day Analysis Report

Sample Reference:
GPMB612 Cake 01/10/21

Client:
(N597)
Marches Biogas
Unit 4
Lower Barns Business Park
Ludlow
Shropshire
SY8 4DS

Laboratory References:

Report Number: 71393
Sample Number: MANU 127312

Date Received: 7 October 2021

Originator:

Analysis Started: 12 October 2021

Notes:

Analysis Summary

Sample Reference	Dry Matter (% fresh wt)	Loss on Ignition (% dry wt)	Volatile Solids (% fresh wt)
GPMB612 Cake 01/10/21	22.33	84.21	18.80

Sample Reference	Biogas Potential (l/kg VS)	Biomethane Potential (l/kg VS)	Biogas Potential (l/kg Dry Matter)	Biomethane Potential (l/kg Dry Matter)	Biogas Potential (l/kg Fresh Wt)	Biomethane Potential (l/kg Fresh Wt)
GPMB612 Cake 01/10/21	501	328	422	276	94	62

Biogas Composition

Sample Reference	Measurement Time (Days)	Methane (%)	Carbon Dioxide (%)	Hydrogen Sulphide (ppm)
GPMB612 Cake 01/10/21	3	55	45	9
	7	63	37	2
	14	65	35	0

Biogas Production (Inoculum Subtracted)

Sample Reference	Measurement Time (Days)	Replicate 1 (l/kg VS)	Replicate 2 (l/kg VS)	Replicate 3 (l/kg VS)	Mean (l/kg VS)
GPMB612 Cake 01/10/21	14	523	492	487	501
Cellulose	14	655	625	661	647
Inoculum	14	57	59	58	58



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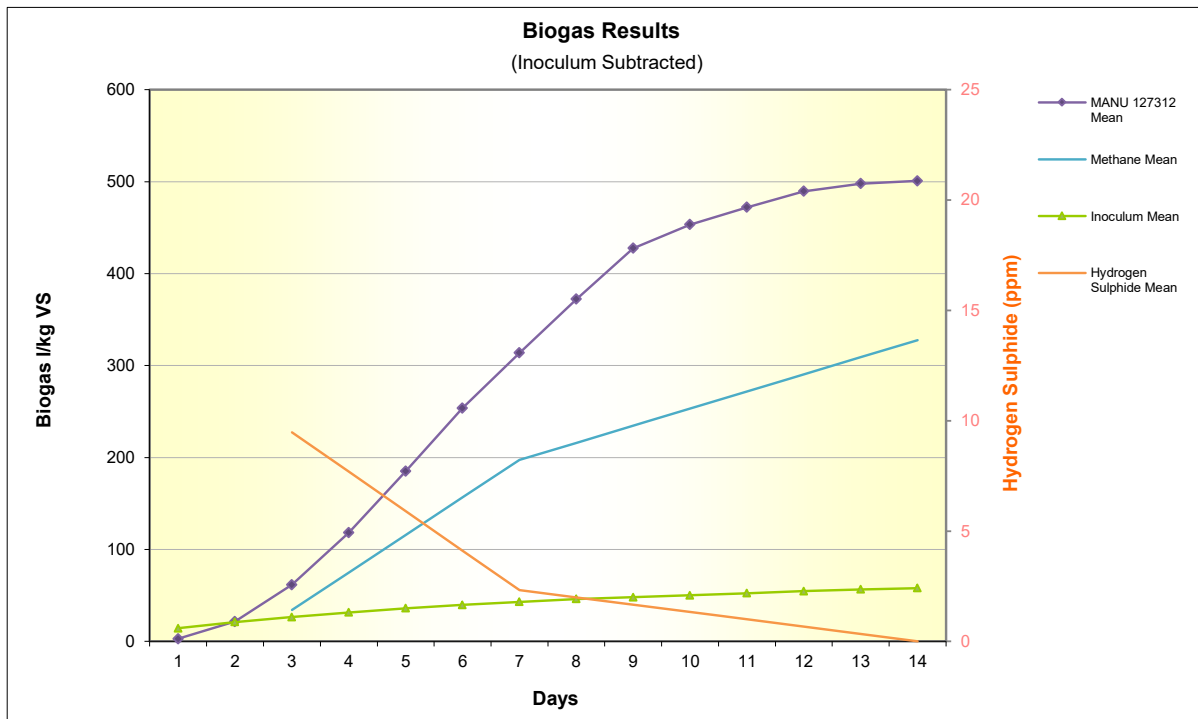
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Released by: *James Wilson*

Date: *27 October 2021*