

Forage Analysis Report

Farm Details		Additional Recipient	
Dr Virgilio Ambriz BioSimetrics Ltd SRUC Building West Mains Road Edinburgh EH9 3JG		Dr Virgilio Ambriz Vilchis BioSimetrics Ltd - SRUC The Cottage SRUC Building West Mains Road EH9 3JG	
Client Code VIRGIL6			
Sample Details			
Sample Name:	RH3	Additive:	
Sample Type:	Maize Silage	Date Received:	21/03/2018
		Date Reported:	05/12/2019
		Lab Reference	28111

	Measured		
Dry Matter (%)	26.8		
Ash (% DM)	4.5		
Active Fibre (% DM)	22.7		
Energy			
D value (% DM) <i>predicted by gas production</i>	67.4		
Metabolisable Energy (ME as MJ/kg DM)	10.8		
Fermentable ME (FME as MJ/kg DM)	8.8		
FME/ME	0.82		
Oil (% DM)	2.7		
Total Carbohydrate (TCHO as % DM)	77.6		
Acid Detergent Fibre (ADF as % DM)	27.3		
Neutral Detergent Fibre (NDF as % DM)	48.7		
Total Starch (% DM)	23.6		
<i>In vitro Degradability Characteristics</i>			
	Amount	Fractional Rate	Lag time
	(% DM)	(/h)	(h)
Sugar	2.1	0.523	
Other Quickly Degraded CHO	3.2	0.181	
Quickly Degraded Starch	9.4	0.200	
Slowly Degraded Starch	14.2	0.175	3.0
Fermentable NDF	34.5	0.061	5.5

Protein			
Crude Protein (CP as % DM)		8.8	
<i>In vitro Degradability Characteristics</i>			
	Amount	Fractional Rate	Lag time
	(CP fraction)	(/h)	(h)
Quickly Degradable Protein (a)	0.17	0.526	
Slowly Degradable Protein (b)	0.76	0.065	1.7
Effective Rumen Degradable Protein at 0.08/h (eRDP as CP fraction)		0.45	
Undegradable Protein at 0.08/h (UDP as CP fraction)		0.51	
Ammonia (g/kg DM)		Trace	

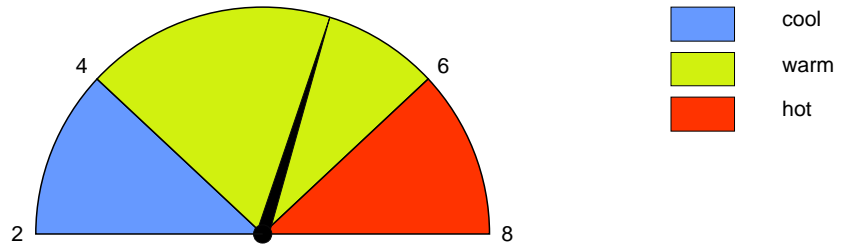
Fermentation Characteristics	
Lactic Acid (% DM)	5.6
VFA (% DM)	0.8
pH	4.3

Maize Silage

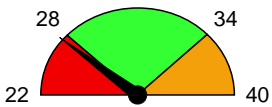
This is how your forage will perform in the rumen

RH3
28111

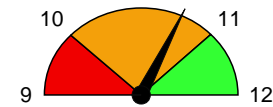
Microbial Growth Potential
5.4



Dry Matter
26.8



ME (MJ/kg DM)
10.8



Crude Protein (% DM)
8.8



Active Fibre (% DM)
22.7



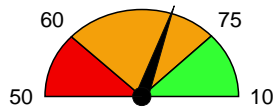
Total Sugar (% DM)
2.1



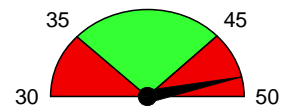
Total Starch (% DM)
23.6



fNDF (% NDF)
70.8



NDF (% DM)
48.7



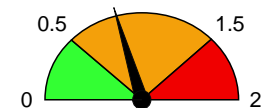
pH
4.3



Lactic Acid (% DM)
5.6



Volatile Fatty Acids (% DM)
0.8



Ammonia (% Total N)
0.0

