



Tested by independent lab  
FORAGE LAB AUSTRALIA

# LACTATOR PELLETT

## Content Analysis

### NIR ANALYSIS RESULTS

Moisture	12.3
Dry Matter	87.7

PROTEINS	% SP	% CP	% DM
Crude Protein			16.3
Adjusted Protein Soluble			
Protein Ammonia (CPE)			
ADF Protein (ADICP) NDF			
Protein (NDICP) NDR			
Protein (NDRCP) Rumen			
Degr. Protein Amino Acid			
Protein, Total			

FIBER	% NDF	% DM
ADF	32.7	9.1
aNDF		27.9
aNDFom		
NDR (NDF w/o sulfite) Crude		
Fiber		
Lignin	12.5	3.49
NDF Digestibility (12 hr) NDF		
Digestibility (24 hr) NDF		
Digestibility (30 hr) NDF		
Digestibility (72 hr) NDF		
Digestibility (120 hr) NDF		
Digestibility (240 hr) uNDF		
(12 hr)		
uNDF (30 hr)		
uNDF (120 hr)		
uNDF (240 hr)		

CARBOHYDRATES	% Starch	NFC	% DM
Ethanol Soluble CHO (ESC-Sugar)			5.2
Water Soluble CHO (WSC-Sugar)			
Starch			39.9
Soluble Starch			
Soluble Fiber			
Starch Dig. (7 hr, 4 mm)			
Crude Fat			2.90
Fatty Acids, Total			
C16:0			
C18:0			
C18:1			
C18:2			
C18:3			
Unsaturated Fatty Acids (RUFAL)			
Fatty Acids (%Fat)			

### MINERALS

Ash (%DM)	7.43
Calcium (%DM)	0.81
Phosphorus (%DM)	0.85
Magnesium (%DM)	0.31
Potassium (%DM)	1.42
Sulfur (%DM)	0.27
Sodium (%DM)	
Chloride (%DM)	
Iron (PPM)	0.65
Manganese (PPM)	
Zinc (PPM)	
Copper (PPM)	
Molybdenum (PPM)	

### QUALITATIVE

pH	
Total VFA (%DM)	
Lactic Acid (%DM)	
Lactic as % of Total VFA	
Acetic Acid (%DM)	
Butyric Acid (%DM)	
1, 2 Propanediol (%DM)	
Nitrate Ion (%DM)	
Nitrate-Nitrogen, ppm	
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Soil Contamination Probability	
NIR Statistical Confidence	

### ENERGY & INDEX CALCULATIONS

TDN (%DM)	72.5
Net Energy Lactation (mj/kg)	6.92
Net Energy Maintenance (mj/kg)	7.72
Net Energy Gain (mj/kg)	5.07
ME (mj/kg)	11.62
AA Protein as % of Total Protein	
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4) NDF	
Dig. Rate (Kd, %HR, uNDF)	
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	
Relative Forage Quality (RFQ)	
Milk per Ton (kg/tonne)	
Dig. Organic Matter Index (kg/tonne)	
Non Fiber Carbohydrates (%DM)	45.5
Non Structural Carbohydrates, ESC (%DM)	45.1
Non Structural Carbohydrates, WSC (%DM)	
DCAD (meq/100gdm)	
Summative Index % (Mass Balance)	



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## LAMB GRAZE PELLETT Content Analysis

### NIR ANALYSIS RESULTS

Moisture	12.0
Dry Matter	88.0

PROTEINS	% SP	% CP	% DM
Crude Protein			18.0

Adjusted Protein Soluble  
Protein Ammonia (CPE)  
ADF Protein (ADICP)  
NDF Protein (NDICP)  
NDR Protein (NDRCP)  
Rumen Degr. Protein  
Amino Acid Protein, Total

FIBER	% NDF	% DM
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ADF	39.2	10.1
aNDF		25.7
aNDFom		
NDR (NDF w/o sulfite)		
Crude Fiber		
Lignin	14.0	3.61
NDF Digestibility (12 hr)		
NDF Digestibility (24 hr)		
NDF Digestibility (30 hr)		
NDF Digestibility (72 hr)		
NDF Digestibility (120 hr)		
NDF Digestibility (240 hr)		
uNDF (12 hr)		
uNDF (30 hr)		
uNDF (120 hr)		
uNDF (240 hr)		

CARBOHYDRATES	% Starch	% NFC	% DM
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Ethanol Soluble CHO (ESC-Sugar)			4.9
Water Soluble CHO (WSC-Sugar)			
Starch			36.3
Soluble Starch			
Soluble Fiber			
Starch Dig. (7 hr, 4 mm)			
Crude Fat			3.55
Fatty Acids, Total			
C16:0			
C18:0			
C18:1			
C18:2			
C18:3			
Unsaturated Fatty Acids (RUFAL)			
Fatty Acids (%Fat)			

### MINERALS

Ash (%DM)	8.36
Calcium (%DM)	0.99
Phosphorus (%DM)	0.75
Magnesium (%DM)	0.29
Potassium (%DM)	1.54
Sulfur (%DM)	0.32
Sodium (%DM)	
Chloride (%DM)	0.60
Iron (PPM)	
Manganese (PPM)	
Zinc (PPM)	
Copper (PPM)	
Molybdenum (PPM)	

### QUALITATIVE

pH  
Total VFA (%DM)  
Lactic Acid (%DM)  
Lactic as % of Total VFA  
Acetic Acid (%DM)  
Butyric Acid (%DM)  
1, 2 Propanediol (%DM)  
Nitrate Ion (%DM)  
Nitrate-Nitrogen, ppm

Soil Contamination Probability

NIR Statistical Confidence

### ENERGY & INDEX CALCULATIONS

TDN (%DM)	72.9
Net Energy Lactation (mj/kg)	6.97
Net Energy Maintenance (mj/kg)	7.79
Net Energy Gain (mj/kg)	5.13
ME (mj/kg)	11.7
AA Protein as % of Total Protein	
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, uNDF)	
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	
Relative Forage Quality (RFQ)	
Milk per Ton (kg/tonne)	
Dig. Organic Matter Index (kg/tonne)	
Non Fiber Carbohydrates (%DM)	44.3
Non Structural Carbohydrates, ESC (%DM)	41.2
Non Structural Carbohydrates, WSC (%DM)	
DCAD (meq/100gdm)	
Summative Index % (Mass Balance)	



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## MILL RUN PELLET Content Analysis

### NIR ANALYSIS RESULTS

Moisture	13.9
Dry Matter	86.1

PROTEINS	% SP	% CP	% DM
Crude Protein			15.5
Adjusted Protein Soluble			
Protein Ammonia (CPE)			
ADF Protein (ADICP)			
NDF Protein (NDICP)			
NDR Protein (NDRCP)			
Rumen Degr. Protein			
Amino Acid Protein, Total			

FIBER	% NDF	% DM
ADF	32.3	10.5
aNDF		32.6
aNDFom		
NDR (NDF w/o sulfite)		
Crude Fiber		
Lignin	12.5	4.09
NDF Digestibility (12 hr)		
NDF Digestibility (24 hr)		
NDF Digestibility (30 hr)		
NDF Digestibility (72 hr)		
NDF Digestibility (120 hr)		
NDF Digestibility (240 hr)		
uNDF (12 hr)		
uNDF (30 hr)		
uNDF (120 hr)		
uNDF (240 hr)		

CARBOHYDRATES	% Starch	% NFC	% DM
Ethanol Soluble CHO (ESC-Sugar)			5.2
Water Soluble CHO (WSC-Sugar)			
Starch			33.2
Soluble Starch			
Soluble Fiber			
Starch Dig. (7 hr, 4 mm)			
Crude Fat			3.75
Fatty Acids, Total			
C16:0			
C18:0			
C18:1			
C18:2			
C18:3			
Unsaturated Fatty Acids (RUFAL)			
Fatty Acids (%Fat)			

### MINERALS

Ash (%DM)	9.30
Calcium (%DM)	1.12
Phosphorus (%DM)	0.90
Magnesium (%DM)	0.36
Potassium (%DM)	1.52
Sulfur (%DM)	0.31
Sodium (%DM)	
Chloride (%DM)	0.70
Iron (PPM)	
Manganese (PPM)	
Zinc (PPM)	
Copper (PPM)	
Molybdenum (PPM)	

### QUALITATIVE

pH
Total VFA (%DM)
Lactic Acid (%DM)
Lactic as % of Total VFA
Acetic Acid (%DM)
Butyric Acid (%DM)
1, 2 Propanediol (%DM)
Nitrate Ion (%DM)
Nitrate-Nitrogen, ppm

Soil Contamination Probability
NIR Statistical Confidence

### ENERGY & INDEX CALCULATIONS

TDN (%DM)	69.5
Net Energy Lactation (mj/kg)	6.62
Net Energy Maintenance (mj/kg)	7.24
Net Energy Gain (mj/kg)	4.66
ME (mj/kg)	11.06
AA Protein as % of Total Protein	
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, uNDF)	
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	
Relative Forage Quality (RFQ)	
Milk per Ton (kg/tonne)	
Dig. Organic Matter Index (kg/tonne)	
Non Fiber Carbohydrates (%DM)	38.8
Non Structural Carbohydrates, ESC (%DM)	38.4
Non Structural Carbohydrates, WSC (%DM)	
DCAD (meq/100gdm)	
Summative Index % (Mass Balance)	



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# LEAD FEED PELLETT

## Content Analysis

### NIR ANALYSIS RESULTS

Moisture	14.2
Dry Matter	85.8

PROTEINS	% SP	% CP	% DM
Crude Protein			19.4
Adjusted Protein Soluble			
Protein Ammonia (CPE)			
ADF Protein (ADICP) NDF			
Protein (NDICP) NDR			
Protein (NDRCP) Rumen			
Degr. Protein Amino Acid			
Protein, Total			

FIBER	% NDF	% DM
ADF	27.0	6.1
aNDF		22.5
aNDFom		
NDR (NDF w/o sulfite) Crude		
Fiber		
Lignin	14.8	3.32
NDF Digestibility (12 hr) NDF		
Digestibility (24 hr) NDF		
Digestibility (30 hr) NDF		
Digestibility (72 hr) NDF		
Digestibility (120 hr) NDF		
Digestibility (240 hr) uNDF		
(12 hr)		
uNDF (30 hr)		
uNDF (120 hr)		
uNDF (240 hr)		

CARBOHYDRATES	% Starch	% NFC	% DM
Ethanol Soluble CHO (ESC-Sugar)			7.1
Water Soluble CHO (WSC-Sugar)			
Starch			39.8
Soluble Starch			
Soluble Fiber			
Starch Dig. (7 hr, 4 mm)			
Crude Fat			3.24
Fatty Acids, Total			
C16:0			
C18:0			
C18:1			
C18:2			
C18:3			
Unsaturated Fatty Acids (RUFAL)			
Fatty Acids (%Fat)			

### MINERALS

Ash (%DM) Calcium (%)	6.07
DM) Phosphorus (%)	0.15
DM) Magnesium (%)	1.00
DM) Potassium (%DM)	0.75
Sulfur (%DM) Sodium	1.78
(%DM) Chloride (%DM)	0.42
Iron (PPM)	
Manganese (PPM)	0.43
Zinc (PPM) Copper	
(PPM) Molybdenum	
(PPM)	

### QUALITATIVE

pH	
Total VFA (%DM)	
Lactic Acid (%DM)	
Lactic as % of Total VFA	
Acetic Acid (%DM)	
Butyric Acid (%DM)	
1, 2 Propanediol (%DM)	
Nitrate Ion (%DM)	
Nitrate-Nitrogen, ppm	
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----- Soil Contamination Probability	
NIR Statistical Confidence	

### ENERGY & INDEX CALCULATIONS

TDN (%DM)	76.1
Net Energy Lactation (mj/kg)	7.30
Net Energy Maintenance (mj/kg)	8.29
Net Energy Gain (mj/kg)	5.57
ME (mj/kg)	12.3
AA Protein as % of Total Protein	
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4) NDF	
Dig. Rate (Kd, %HR, uNDF)	
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	
Relative Forage Quality (RFQ)	
Milk per Ton (kg/tonne)	
Dig. Organic Matter Index (kg/tonne)	
Non Fiber Carbohydrates (%DM)	48.9
Non Structural Carbohydrates, ESC (%DM)	46.9
Non Structural Carbohydrates, WSC (%DM)	
DCAD (meq/100gdm)	
Summative Index % (Mass Balance)	



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## GRAIN FREE BEEF PELLETT Content Analysis

### NIR ANALYSIS RESULTS

Moisture	11.8
Dry Matter	88.2

PROTEINS	% SP	% CP	% DM
Crude Protein			17.9
Adjusted Protein			
Soluble Protein			
Ammonia (CPE)			
ADF Protein (ADICP)			
NDF Protein (NDICP)			
NDR Protein (NDRCP)			
Rumen Degr. Protein			
Amino Acid Protein, Total			

FIBER	% NDF	% DM
ADF	40.3	10.3
aNDF		25.5
aNDFom		
NDR (NDF w/o sulfite)		
Crude Fiber		
Lignin	14.1	3.59
NDF Digestibility (12 hr)		
NDF Digestibility (24 hr)		
NDF Digestibility (30 hr)		
NDF Digestibility (72 hr)		
NDF Digestibility (120 hr)		
NDF Digestibility (240 hr)		
uNDF (12 hr)		
uNDF (30 hr)		
uNDF (120 hr)		
uNDF (240 hr)		

CARBOHYDRATES	% Starch	% NFC	% DM
Ethanol Soluble CHO (ESC-Sugar)			4.8
Water Soluble CHO (WSC-Sugar)			
Starch			37.0
Soluble Starch			
Soluble Fiber			
Starch Dig. (7 hr, 4 mm)			
Crude Fat			3.55
Fatty Acids, Total			
C16:0			
C18:0			
C18:1			
C18:2			
C18:3			
Unsaturated Fatty Acids (RUFAL)			
Fatty Acids (%Fat)			

### MINERALS

Ash (%DM)	8.29
Calcium (%DM)	0.91
Phosphorus (%DM)	0.77
Magnesium (%DM)	0.30
Potassium (%DM)	1.50
Sulfur (%DM)	0.31
Sodium (%DM)	
Chloride (%DM)	0.64
Iron (PPM)	
Manganese (PPM)	
Zinc (PPM)	
Copper (PPM)	
Molybdenum (PPM)	

### QUALITATIVE

pH
Total VFA (%DM)
Lactic Acid (%DM)
Lactic as % of Total VFA
Acetic Acid (%DM)
Butyric Acid (%DM)
1, 2 Propanediol (%DM)
Nitrate Ion (%DM)
Nitrate-Nitrogen, ppm

Soil Contamination Probability
NIR Statistical Confidence

### ENERGY & INDEX CALCULATIONS

TDN (%DM)	73.1
Net Energy Lactation (mj/kg)	6.99
Net Energy Maintenance (mj/kg)	7.81
Net Energy Gain (mj/kg)	5.15
ME (mj/kg)	11.73
AA Protein as % of Total Protein	
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, uNDF)	
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	
Relative Forage Quality (RFQ)	
Milk per Ton (kg/tonne)	
Dig. Organic Matter Index (kg/tonne)	
Non Fiber Carbohydrates (%DM)	44.7
Non Structural Carbohydrates, ESC (%DM)	41.8
Non Structural Carbohydrates, WSC (%DM)	
DCAD (meq/100gdm)	
Summative Index % (Mass Balance)	