

Received: 2/18/2025 Sampled: 2/18/2025
 Rep:
 KLC Farms Roasting Inc. / Roasted Soybeans 2/13/25

Moisture: 1.56
 Dry Matter: 98.44



Protein & Amino Acid	%DM	60d	4 yr
Crude Protein	40.19	39.23	39.79
Total Amino Acid			
Sol. CP, % of CP			
NH3-N CP Equivalent			
NH3-N, % of CP			
ADICP			
NDICP			
ADICP, % of CP			
Available CP			
Nitrate-N, ppm			
Non-Protein Nitrogen			

Calculated Amino Acids

Lysine, % of CP	
Methionine, % of CP	
Histidine, % of CP	

Minerals & Ash

Ash	4.31	5.01	5.58
Calcium			
Phosphorus			
Magnesium			
Potassium			
Sodium			
Sulfur			
Chloride			
Aluminum			
Boron			
Copper			
Iron			
Manganese			
Molybdenum			
Zinc			

Carbohydrates	%DM	60d	4 yr
ADF	7.56	7.56	8.14
aNDF	7.98	13.97	12.69
aNDFom			
Lignin			
Starch			
Sugar (ESC)			
Sugar (WSC)			
Glucose			
Fructose			
Sucrose			
Lactose			
Mannitol			
Total Sugar			
Crude Fiber	7.28	6.93	6.06

Fermentation Products

pH	
Lactic Acid	
Acetic Acid	
Butyric Acid	
Propionic Acid	
Succinic	
Formic	
Total Acids	
Ethanol	
1,2 Propanediol	
1 Propanol	
2,3 Butanediol	
2 Butanol	
2 Propanol	
Fermentation DM Loss	
Ethyl Lactate	
Ethyl Acetate	

Fat	%DM	60d	4 yr
Ether Extract	20.75	21.59	21.32
Total Fatty Acid	18.96	17.02	
Acid Hydrolysis			

% of FA

Myristic (C14:0)	0.15	0.20
Palmitic (C16:0)	8.70	8.31
Stearic (C18:0)	3.75	4.55
Oleic (C18:1 c9)	32.16	71.13
Linoleic (C18:2 c9,12)	35.48	13.70
Linolenic (C18:3 c9,12,15)	4.25	2.27
RUFAL	71.90	87.10

Nutrient Digestion, % of nutrient

tNDFD12		
tNDFD30		
tNDFD48		
tNDFD72		
tNDFD120		
tNDFD240		
tNDFD30om		
tNDFD120om		
tNDFD240om		
sNDFD24		
sNDFD30		
sNDFD48		
uNDF30, % DM		
uNDF240, % DM		
isSD0		
isSD3		
isSD7		
isSD16		
isSD24		
in situ RUP 16h	51.50	59.09
RUP intest. dig., % RUP	50.87	

Comprehensive Nutrition Analysis Report

Calculations	%DM	60d	4 yr
Dynamic NDF kd, %/h			
Dynamic Starch Kd, %/h			
RFV			
RFQ			
TTNDFD (UW-Combs), % of NDF			
Total Tract Starch Dig			
NFC	26.78	20.35	23.15
DCAD			
Salt			
RDP %CP			

Energy / Particle Size	TDN	NEL	NEG	NEM
ADF (PA)				
OARDC Dairy				
NRC2001 Dairy	106.20	1.187	0.996	1.378
Milk2006 Dairy				
NRC2016 Beef				
Milk/Ton, lb				
Beef lb/Ton				
Milk/Ton, lb (2024)				
Kernel Processing Score				
Berry Processing Score				
Mean Particle Size				

Anti-Nutrients
Mold (Guidelines)
Yeast (Guidelines)
DON, ppm
Aflatoxin, ppb
Zearalenone, ppb
Fumonisin, ppm
T-2, ppb
Ochratoxin-A, ppb
<i>Clostridium perfringens</i>
Enterobacteria