



Nutrient Composition of SOYCHLOR®

100% Dry Matter Basis

Dry Matter	87.8 %
Moisture	12.2 %
Protein	
Crude Protein	20.06
RUP (%CP) ¹	58.00
RDP (%CP) ¹	42.00
Soluble Protein (CPM) (%CP)	13.30
Unavailable Protein (CPM) (%DM)	2.30
ADFICP (NRC) (%DM)	2.30
NDFICP (w/sulfite, NRC) (%DM)	4.20
NDIP (w/o sulfite, CPM) (%DM)	8.21
NPN (% soluble protein)	55.00
Amino Acids	%CP=%RUP (NRC)
Arginine	4.67
Histidine	2.55
Isoleucine	3.82
Leucine	9.24
Lysine	2.90
Methionine	1.78
Phenylalanine	4.92
Threonine	3.53
Tryptophan	0.94
Valine	4.72
Carbohydrates	
% NDF (w/sulfite, NRC)	26.00
% NDF (w/o sulfite, CPM)	33.30
% ADF	22.40
% Lignin	5.40
% NFC (NRC Method)	27.90
% NFC (CPM Method)	29.10
% Sugar	8.40
% Starch	4.10
% peNDF (%NDF)	3.80
NDF digestibility (24hr) (%NDF)	42.00
B2/B3 Kd (%/hr) (CPM)	4.58
Indigestible NDF (% NDF)	39.00
Fat	
% Crude Fat	2.5
Energy Values (NRC)	
%TDN – (undiscounted NRC)	57.5
Metabolizable Energy – 3X	2.33 Mcal/Kg
Net Energy, Lactation – 3X	1.52 Mcal/Kg
Net Energy, Gain – 3X	0.95 Mcal/Kg
Net Energy, Maintenance – 3X	1.52 Mcal/Kg

Minerals	DM Basis	Bioavailability
Calcium	4.54%	0.68 g/g (NRC)
Phosphorus	0.30%	0.70 g/g (NRC)
Magnesium	2.84%	0.64 g/g (NRC)
Potassium	0.48%	0.90 g/g (NRC)
Sodium	0.04%	0.90 g/g (NRC)
Chloride	10.29%	0.90 g/g (NRC)
Sulfur	0.35%	1.00 g/g (NRC)
Copper	7 ppm	0.04 g/g (NRC)
Iron	649 ppm	0.10 g/g (NRC)
Manganese	88 ppm	0.0075 g/g (NRC)
Zinc	35 ppm	0.15 g/g (NRC)
Ash	21.6%	

DCAD (Na+K)-(Cl+S) -2980 meq/kg DM

NRC Model

Protein – A (%CP)	25.60
Protein – B (%CP)	67.40
Protein – C (%CP)	7.00
Protein Digestion Rate (%/h)	3.42
RUP Digestibility	82%

CPM Model

ChoA1 (% NFC)	7.50	
ChoA2 (% NFC)	28.90	
ChoB1 (% NFC)	14.10	
ChoB2 (% NFC)	49.50	
ChoB3 (% DM)	12.10	
ChoC (% DM)	12.96	
Protein – A (%CP)	7.30	
A (%/h) and % Intest Digest	10000%	100%
Protein – B1 (%CP)	6.00	
B1 (%/h) and % Intest Digest	155%	100%
Protein – B2	78.50	
B2 (%/h) and % Intest Digest	5.5%	80%
Protein – B3	5.53	
B3 (%/h) and % Intest Digest	0.473%	80%
Protein C (%CP)	2.67	



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¹As predicted from the NRC 2001 model with input consisting of a 650 kg Holstein cow fed 13.4 kg DM/day at 270 days gestation.