DAIRY NUTRITION PLUS™

# Nutrient Composition of PASTURCHLOR®

## 100% Dry Matter Basis.

| | |
|---|---|
| **Dry Matter** | 87.00 % |
| Moisture | 13.00 % |

| **Protein** | |
|---|---|
| Crude Protein | 20.5% |
| RUP (%CP) | 58.00% |
| RDP (%CP) | 42.00% |
| Soluble Protein (CPM) (%CP) | 13.80% |
| Unavailable Protein (CPM) (%DM)v | 2.20% |
| ADFICP (NRC) (%DM) | 2.20% |
| NDFICP (w/sulfite, NRC) (%DM) | 6.94% |
| NDIP (w/o sulfite, CPM) (%DM) | 10.95% |
| 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) | 27.92% |
| NDF (w/o sulfite, CPM) | 35.22% |
| ADF | 23.72% |
| Lignin | 6.62% |
| NFC (NRC Method) | 35.60% |
| NFC (CPM Method) | 36.80% |
| Sugar | 10.14% |
| Starch | .94% |

| **Fat** | |
|---|---|
| Crude Fat | 2.5% |

| **Minerals** | |
|---|---|
| Calcium | 0.52% |
| Phosphorus | 0.36% |
| Magnesium | 6.06% |
| Potassium | .73% |
| Sodium | 0.05% |
| Chlorine | 10.60% |
| Sulfur | 0.32% |
| Copper | 8 ppm |
| Iron | 725 ppm |
| Manganese | 76 ppm |
| Zinc | 30 ppm |
| Ash | 17.88% |

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

| **NRC Model** | |
|---|---|
| Protein – A (%CP) | 8.70 |
| Protein – B (%CP) | 91.30 |
| Protein – C (%CP) | 0.00 |
| Protein Digestion Rate (%/h) | 2.4 |
| RUP Digestibility | 93% |

| **Energy Values (NRC)** | |
|---|---|
| % TDN – (undiscounted NRC) | 62.20% |
| Metabolizable Energy – 3X | 2.46 Mcal/Kg |
| Net Energy, Lactation – 3X | 1.43 Mcal/Kg |
| 5 Net Energy, Gain – 3X | 0.90 Mcal/Kg |
| Net Energy, Maintenance – 3X | 1.48 Mcal/Kg |

NSF-ISR Registered to ISO 9001

HACCP SYSTEM CERTIFICATION SGS

FM.ID.13 082017 Made in the USA

**As 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.*