

### Analysis of Dry Extruded/Expelled Soybean Meal

#### Average Bulk Density

per ft <sup>3</sup>	per m <sup>3</sup>
per ft <sup>3</sup>	1483 lbs.
19.1 kg.	670.9 kg.

#### Poximate Analysis

Dry Matter	90.0%	
Crude Protein	42.0%	
Ether Extract	6.0%	
Acid Hydrolysis	7.7%	
Crude Figer	5.5%	
Ash	5.3%	
Undegradable Protein	55.0%	% of crude protein
Free Fatty Acids	0.5%	
Linoleic Acid	4.5%	
Linolenic Acid	0.9%	
Lecithin	0.2%	

#### Mineral Content

Major:	Calcium	0.26%
	Phosphorus	0.63%
	Sodium	0.04%
	Chloride	0.04%
	Potassium	2.20%
	Magnesium	0.30%
	Sulfur	0.30%
Trace:	Copper	23 ppm
	Iron	120 ppm
	Manganese	30 ppm
	Zinc	40 ppm

#### Amino Acid Composition

	As Fed	% Protein
Arginine	3.20	6.95
Histidine	1.44	3.13
Isoleucine	2.00	4.35
Leucine	3.60	7.82
Lysine	2.86	6.21
Methionine	0.75	1.63
Cystine	0.66	1.43
Phenylalanine	2.20	4.78
Tryosine	1.20	2.61
Threonine	1.94	4.22
Tryptophan	0.63	1.37
Valine	1.98	4.30

#### Energy Content

	Kcal/Lb.	Kcal/Kg.
ME: Poultry	1520	3344
ME: Swine	1700	3740
	Mcal/Lb.	Mcal/Kg.
NEm: Ruminants	1.30	2.27
NEg: Ruminants	0.71	1.56
NEI: Dairy	0.99	2.20
TDN: Ruminants	88%	
Neutral Detergent Fiber	10%	
Acid Detergent Fiber	10%	

#### Availabilities

Available Phosphorus	35.0%
Available Amino Acids	
	Poultry 92.0%
	Swine 90.0%

All values are typical analytical results and not guaranteed levels.

#### Typical Inclusion Rates

- May be used as the major source of protein for all species
- Inclusion rate will vary with specie and the stage of production:
  - **Momogastrics:** Inclusion from 15 to 40% of the complete diet.
  - **Ruminants:** Inclusion up to 25% of the grain mix.

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