

TRITURO[®]



Developed especially for ruminants, this soybean meal offers balanced rumen/intestinal digestibility.



Soybean processor

Soya Excel



Balanced formula

Typical analysis

	As received	100% DM
Dry Matter (DM) - %	93.71	100
Moisture - %	6.29	0
Crude protein (CP) - %	44.63	47.63
Soluble Protein - % CP		16.11
Undegradable protein - % CP		67.41
Non-Digestible Protein - % CP		6.81
Rumen Digested Protein/Degradable protein		32.59
Protein digested in the intestine - % CP		60.6
Digestible Protein - % CP		93.19
Crude fat - %	5.40	5.76
Crude Fiber - %	5.29	5.64
Acid Detergent Fiber (ADF) - %	8.21	8.76
Neutral Detergent Fiber (NDF) - %	10.65	11.37
AD-ICP - % CP		1.28
ND-ICP - % CP		5
ADL - % NDF		12.13
ADL - %	1.29	1.38
Ash - %	5.99	6.39
Starch - %	1.06	1.13
Water Soluble Sugars - %	18.9	20.2
Soluble protein (KOH) - %		67.09
Urease - Δ pH Unit		0.035
Trypsin Inhibitor Activity - mg/g	2.42	2.58
NSC (Non-Structural Carbohydrates) - %	18.2	19.4
NFC (Non-Fiber Carbohydrates) - %	28.4	30.3
Gross Energy Calculated (INRA) - Kcal/kg	4559	4865
TDN calculated* - %	79.93	85.30
NEI 3X Calculated - Mcal/kg	2.14 (2.29) ¹	2.28 (2.44) ¹
NEg 3X Calculated* - Mcal/kg	1.58 (1.69) ¹	1.69 (1.81) ¹
NEm 3X Calculated* - Mcal/kg	2.26 (2.42) ¹	2.41 (2.58) ¹
Particle size XL - μm		1000-1250
Particle size Fine - μm		850-1050

Amino Acids

	As received	100% DM
Total Amino Acids** - %	44.77	47.78
Cystine (CYS) - %	0.64	0.68
Methionine (MET) - %	0.55	0.59
Methionine and Cysteine (M&C) - %	1.19	1.27
Lysine (LYS) - %	2.91	3.11
Alanine (ALA) - %	1.94	2.07
Aspartic Acid (ASP) - %	5.00	5.33
Glutamic Acid (GLU) - %	8.23	8.78
Glycine (GLY) - %	1.90	2.03
Isoleucine (ILE) - %	2.15	2.30
Leucine (LEU) - %	3.50	3.73
Proline (PRO) - %	2.38	2.54
Threonine (THR) - %	1.76	1.87
Valine (VAL) - %	2.20	2.35
Arginine (ARG) - %	3.26	3.48
Histidine (HIS) - %	1.25	1.34
Phenylalanine (PHE) - %	2.24	2.39
Serine (SER) - %	2.00	2.13
Tyrosine (TYR) - %	1.66	1.78
Tryptophan (TRP) - %	0.58	0.62

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Minerals

	As received	100% DM
Calcium (Ca) - %	0,34	0,36
Phosphorus (P) - %	0,66	0,7
Sodium (Na) - %	0,02	0,02
Potassium (K) - %	2,40	2,56
Magnesium (Mg) - %	0,34	0,36
Sulfur (S) - %	0,39	0,42
Iron (Fe) - ppm	143	152
Zinc (Zn) - ppm	50	53
Copper (Cu) - ppm	15	16
Manganese (Mn) - ppm	29	30
Boron (Bo) - ppm	42	45
Aluminium (Al) - ppm	82	87

Guaranteed analysis

	As received
Dry Matter (DM) - % MIN	88,00
Humidity - % MAX	12,00
Crude Protein (CP) - % MIN	43,50
Crude Fat - % MIN	4,00
Crude Fiber - % MAX	7,00

* TDN : Total Digestible Nutrients, Calculations based on method proposed in NRC 2001

** Adapted from amino acid analyzes of Trituro for the period 2024-2025 - ESCL Missouri (University of Missouri Agricultural Experiment Station Chemical Laboratories)

1.Values in parentheses correspond to the effective energies, based on field observations.



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