



Soycomil® P

Soycomil P

Soycomil P is a high quality soy protein concentrate specially designed for the animal feed industry. The unique Soycomil production process makes the soy protein highly digestible by inactivating the anti-nutritional factors and removing the soluble carbohydrates. Soycomil P is a coarse grit.

Specification

Crude protein (as is, min)	63%
Moisture (max)	9%
Trypsin Inhibitor Activity (max)	2.5 mg/g
Antigen Activity: glycinin (max)	5 mg/kg
β-conglycinin (max)	5 mg/kg
Enterotoxins (max)	100 cfu/g
Salmonella	absent/25g
TPC (max)	50.000 cfu/g

Typical nutritional value (% as is)

Crude Protein	65
Crude Fat	1
Crude Fiber	3.5
Crude Ash	6.5
Moisture	7
Nitrogen Free Extract:	
Soluble	2
Insoluble	15

Other data (typical value)

PDI (in water)	5%
Trypsin Inhibitor Activity	2 mg/g
Antigen Activity glycinin	2 mg/kg
β-conglycinin	2 mg/kg
Particle size	min. 90% 0.3 – 0.8 mm
Mean particle size	0.5 mm

Method of Analysis

Crude Protein	Europoort 54510WI122
Moisture	ISO 771
Trypsin Inhibitor Activity	NEN-EN-ISO 14902:2001
Antigens	TNO Sandwich ELISA
Enterotoxins	NEN21528
Salmonella	PCR
TPC	ISO 4833
Particle size	Alpine screen

Packaging: 25 kg bags / 1000 kg bags / bulk

Shelf life: 2 years after production date when stored in a cool dry place

Storage: Storage below 25°C and below 60% relative humidity promotes longer shelf life

Effective: 1 Nov 2011

Version FI-SPC-011111

ADM Specialty Ingredients (Europe) B.V.

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Nutritional information Soycomil P Swine

Amino Acids

	g/100 g protein	% (as is)
Lys	6.5	4.23
Met	1.4	0.91
Met&Cys	2.9	1.89
Thr	4.2	2.73
Ile	4.9	3.19
Trp	1.2	0.78
Arg	7.6	4.94
Phe	5.3	3.45
Val	5.2	3.38
His	2.8	1.82
Leu	8.0	5.20

Minerals

	mg/100 g	%
Ca	350	0.35
P	800	0.8
Available P	240	0.24
K	2200	2.2
Na	11	0.011
Mg	335	0.335
Cl	100	0.1

ppm

Fe	13	130
Zn	3.5	35
Cu	1.2	12
Heavy metals	< 0.2	

Ileal digestibility coefficients

Apparent (%) True (%)

For pigs >25 kg

Lysine	93	95
Threonine	90	94
Tryptophan	89	93
Methionine	91	94
Cystine	90	94
Isoleucine	93	95
Valine	91	94
Leucine	93	95
Phenylalanine	94	97
Histidine	95	97
Arginine	97	99

Swine NRC 1998

Apparent (%) SID*(%)

For piglets 6-15 kg

Lysine	90	91
Threonine	82	84
Tryptophan	85	85
Methionine	91	92
Cystine	70	77
Isoleucine	90	90
Valine	89	90
Leucine	89	90
Phenylalanine	88	89
Histidine	89	90
Arginine	95	96

Hohenheim University, Germany

* SID-standardized ileal digestibility

Energy

	MJ/kg	Kcal/kg	Kcal/lb
DE Swine	17.6	4216	1913
ME Swine	16.4	3931	1783
NE Swine	10.2	2429	1102

DE & ME are measured by Hohenheim University (Germany) in weaning piglets (initial weight about 8 kg). NE is calculated based on: $NE = 0.726 \times ME + 1.33 \times EE + 0.39 \times ST - 0.62 \times CP - 0.83 \times ADF$ (Noblet et al., 1994)

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Nutritional information Soycomil P Poultry

Amino Acids

	g/100 g protein	% (as is)
Lys	6.5	4.23
Met	1.4	0.91
Met&Cys	2.9	1.89
Thr	4.2	2.73
Ile	4.9	3.19
Trp	1.2	0.78
Arg	7.6	4.94
Phe	5.3	3.45
Val	5.2	3.38
His	2.8	1.82
Leu	8.0	5.20

Minerals

	mg/100 g	%
Ca	350	0.35
P	800	0.8
Available P	240	0.24
K	2200	2.2
Na	11	0.011
Mg	335	0.335
Cl	100	0.1

	ppm	
Fe	13	130
Zn	3.5	35
Cu	1.2	12
Heavy metals	< 0.2	

Digestibility coefficients

	True (%)*
Lysine	92.8
Methionine	91.9
Met+Cys	90
Tryptophan	91.8
Threonine	88.6
Arginine	96.5
Valine	90.1
Isoleucine	91.4
Leucine	92.4
Histidine	93.8
Phenylalanine	92.2

Coef. Dig CP poultry 92%

Digestible Amino acids, % as is

Lysine	3.93
Methionine	0.84
Met+Cys	1.70
Tryptophan	2.51
Threonine	2.83
Arginine	0.75
Valine	4.45
Isoleucine	3.15
Leucine	3.12
Histidine	1.71
Phenylalanine	4.79

Energy*

	MJ/kg	Kcal/kg	Kcal/lb
ME (Poultry):	11	2621	1189
ME (Hens)	11.2	2670	1214
True ME (Poultry):	12.0	2870	1302

* Rostagno *et al.* (2011) Federal University of Vicosa, Brazil.

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