



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 54510W1122 based on 54.514W1115 Dumas method
Moisture	Europoort 54.510W1122 based on 54.514W1101 ISO 771
Trypsin Inhibitor Activity	Europoort 54.510W1122 based on 54.514W1408 NEN-EN-ISO 14902:2001 TNO Sandwich ELISA
Antigens	NEN21528
Enterotoxins	PCR
Salmonella	ISO 4833
TPC	Alpine screen
Particle size	

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 Dec 2012

Version FI-SPC-011212

ADM Specialty Ingredients (Europe) B.V.

P.O. Box 2 · 1540 AA Koog aan de Zaan · Netherlands · +31.75.64.64.256 (phone) · +31.75.64.64.631 (fax) · SpecFeedIngredEU@adm.com

The information contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence, or otherwise, is limited to the purchase price of the material. Freedom to use any patent owned by ADM or others is not to be inferred from any statement contained herein.

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)

ADM Specialty Ingredients (Europe) B.V.

P.O. Box 2 · 1540 AA Koog aan de Zaan · Netherlands · +31.75.64.64.256 (phone) · +31.75.64.64.631 (fax) · SpecFeedIngredEU@adm.com

The information contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence, or otherwise, is limited to the purchase price of the material. Freedom to use any patent owned by ADM or others is not to be inferred from any statement contained herein.

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%

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.

ADM Specialty Ingredients (Europe) B.V.

P.O. Box 2 · 1540 AA Koog aan de Zaan · Netherlands · +31.75.64.64.256 (phone) · +31.75.64.64.631 (fax) · SpecFeedIngedEU@adm.com
 The information contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence, or otherwise, is limited to the purchase price of the material. Freedom to use any patent owned by ADM or others is not to be inferred from any statement contained herein.