

## Soybean Protein Concentrates

Coarse grade for piglets and poultry feed  
(Product code: DMH-SBZ18SP500P)

### Product Quality Specifications

#### Specifications

		Unit	Analysis method
Protein (as is)*	min. 62	%	ISO 5983
Moisture*	max. 8	%	Drying on 105°C
Salmonella*	Negative 25	g	ISO 6579
Glycinine**	max. 3	mg/kg	TNO Sandwich ELISA
B-conglycinine**	max. 3	mg/kg	TNO Sandwich ELISA
Trypsin inhibitor activity**	max. 2	mg/g	SRPS EN ISO 14902

#### Typical composition

Fat	0,5	%
Fiber	4,5	%
Ash	7,0	%
Moisture	6,0	%
Nitrogen free extract***	20,0	%

\*CoA \*\*Periodical Analysis \*\*\*Calculated

The sojaproteinconcentrate is produced from NON-GMO soyabeans (<0.1) from controlled cultivation.

Variation in specified values and color are possible, depending on the raw material quality (soybean)

#### Packaging and transportation:

Packing: the product is packed and delivered in paper bags 25 kg, big-bags 900 kg or in bulk. Each package is marked and contains information about the quality and quantity identification of the product

Storage conditions: to be stored in a cool and dry place, protected from the outside impacts

Validity of use: 24 months

Code number	Granulation	Packing (kg)	Number of bags per pallet	Net weight on the pallet (kg)
BFC100000401	coarse	25	30	750
BFC100000412	coarse	1000	1	1000
BFC100000403	coarse	In bulk	-	-

Product applications: piglets and poultry feed

## Nutritional Profile

### Physical properties

Appearance and color	Natural
Size of particles	coarse
Bulk density	700 kg/m <sup>3</sup>
Wettability and stability in aqueous phase	good

### Standard Analysis

		Unit
Protein (as is)	62,0	%
Moisture	6,0	%
Fat	0,5	%
Linoleic acid (18:2)	0,2	%
Linoleic acid (18:3)	0,03	%
NFE	20,0	%
Ash	7,0	%
Crude fiber	4,5	%

### Mycotoxins

		Unit
Aflatoxin (B1 + G1)	< 0,0003	mg/kg
Ochratoxin A	< 0,0008	mg/kg
Zearalenone	< 0,0005	mg/kg
DON	< 0,15	mg/kg
Fumonisin (B1 + B2)	< 3	mg/kg

### Minerals

		Unit
Calcium (Ca)	0,4	%
Phosphorus (P)	0,8	%
Sodium (Na)	0,004	%
Potassium (K)	2,0	%
Magnesium (Mg)	0,2	%
Copper (Cu)	3,3	mg/kg
Zinc (Zn)	24	mg/kg

### Antinutritive factors

		Unit
Trypsin Inhibitor Activity	2,0	mg/g
Antigens: Glycinine	< 3	
B-conglycinine	< 3	

**Energy**

		Unit
Piglets M.E.	3602	kcal/kg
Chicken M.E.	2677	kcal/kg
Poultry M.E.	3116	kcal/kg

**Heavy metals**

		Unit
Lead (Pb)	0,108	mg/kg
Cadmium (Cd)	0,037	mg/kg
Mercury (Hg)	0,003	mg/kg
Arsenic (As)	0,011	mg/kg
Antimony (Sb)	0,003	mg/kg
Selenium (Se)	0,147	mg/kg
Molybdenum (Mo)	4,546	mg/kg

**Vitamins**

		Unit
Thiamine (B1)	<1	mg/kg
Riboflavine (B2)	<1	mg/kg
Niacin*	<1	mg/kg
Pyridoxine*	<1	mg/kg
Pantothenic acid*	<1	mg/kg
Folic acid*	<1	mg/kg

\*The literature data

**Biological Analysis**

Salmonella	negative	Per 25g
------------	----------	---------

**Other Analysis**

		Unit
pH	6,5	1:10 solution
Presence of starch	Negative	
Carbohydrates (Oligosaccharides)	<0,5	%

**Amino Acid Content**

	% AA/Protein	%AA/Product
Arginine	6,57	4,07
Alanine	4,96	3,08
Aspartic Acid	10,9	6,51
Cystine	1,23	0,76
Glutamic Acid	17,02	10,55
Glycine	4,53	2,81
Hystidine*	2,99	1,64
Isoleucine*	5,08	3,15
Leucine*	8,33	5,16
Lysine*	7,42	4,60
Methionine*	1,36	0,84
Phenylalanine	5,29	3,28

Proline	5,41	3,35
Serine	5,63	3,49
Threonine*	4,24	2,63
Tryptophan*	1,31	0,63
Tyrosine	3,56	2,21
Valine*	5,21	3,23

\*Essential Amino Acids

The sojaproteinconcentrate is produced from NON-GMO soybeans (<0.1) from controlled cultivation.

The producer has developed an Identity Preservation Program certified by Switzerland's SGS.

**The product is certified as per:**

GMP + B2	HACCP	IP NON GMO
ISO 14001	ISO 9001	ISO 22000
OHSAS 18001	Valid-IT	Halal
Kosher		

### Liability

The information contained herein is based on technical data that DMH Deutsche Melasse Handelsgesellschaft mbH (later on called DMH) believes to be reliable and accurate, but disclaims any warrant or guarantee, express or implied. DMH reserves the right to change information contained herein without prior notice. Any information included herein taken solely or as a whole, does not suggest in any way the product is of satisfactory quality or is adequate for a particular purpose. The purchasing party is not released from the burden of carrying out his own tests and experiments. Because conditions of use of this product are outside our control, DMH excludes any legal or other liability for the use of this information or any part of it, whether or not based on DMH's negligence, and therefore DMH shall not be liable for any damages (special, direct, indirect, consequential damages) relating to the use of this information or the use of the product referred herein, solely or in combination with other products. Consequently all liability on the part of DMH is excluded.

Furthermore, our sales and delivery conditions will apply accordingly.

DMH Deutsche Melasse Handelsgesellschaft mbH

Esplanade 29-30

D-20354 Hamburg

Germany

Tel +49-40-3003937-0

Fax +49-40-300393729

Mail [info@deutsche-melasse.de](mailto:info@deutsche-melasse.de)

Web [www.deutsche-melasse.de](http://www.deutsche-melasse.de)