



# LetCo

LIQUID ENERGY TRADING COMPANY SWISS S.A.

## Soybean Protein Concentrates

Coarse grade for aqua feed  
(Product code: LQS-SBZ18SP500F)



### Product Quality Specifications

#### Specifications

		Unit	Analysis method
Protein (as is)*	min. 60	%	ISO 5983
Moisture*	max. 8	%	Drying on 105°C
Salmonella*	Negative 25	g	ISO 6579
Glycinine**	max. 100	mg/kg	TNO Sandwich ELISA
B-conglycinine**	max. 50	mg/kg	TNO Sandwich ELISA
Trypsin inhibitor activity**	max 3,5	mg/g	SRPS EN ISO 14902

**Typical composition**

Fat	0,5	%
Fiber	5,0	%
Ash	7,0	%
Moisture	8,0	%
Nitrogen free extract***	19,5	%

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

NON-GMO confirm EC 1829/1830 without GMO labeling: maximum of 0,9% adventitious residual GM DNA

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

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

Product applications:    aqua 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)	60,0	%
Moisture	8,0	%
Fat	0,5	%
Linoleic acid (18:2)	0,2	%
Linoleic acid (18:3)	0,03	%
NFE	19,5	%
Ash	7,0	%
Crude fiber	5,0	%

**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)	0,7	%
Sodium (Na)	0,004	%
Potassium (K)	2,0	%
Magnesium (Mg)	0,3	%
Copper (Cu)	3,3	mg/kg
Zinc (Zn)	22	mg/kg

**Antinutritive factors**

		Unit
Trypsin Inhibitor Activity	3,5	mg/g
Antigens: Glycinine	< 100	
B-conglycinine	< 50	

**Energy**

		Unit
	306	kcal/kg

**Heavy metals**

		Unit
Lead (Pb)	0,12	mg/kg
Cadmium (Cd)	0,003	mg/kg
Mercury (Hg)	0,007	mg/kg
Arsenic (As)	0,007	mg/kg
Antimony (Sb)	0,004	mg/kg
Selenium (Se)	0,14	mg/kg
Molybdenum (Mo)	5,309	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
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**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	5,80	3,48
Alanine	6,51	3,91
Aspartic Acid	8,26	4,96
Cystine	0,75	0,45
Glutamic Acid	19,2	11,52
11,52Glycine	5,37	3,22
Histidine*	2,60	1,56
Isoleucine*2,6	4,57	2,74
Leucine*	8,16	4,90
Lysine*	6,70	4,02
Methionine*	1,38	0,83
Phenylalanine	5,12	3,07
Proline	5,19	3,11
Serine	5,84	3,50
Threonine*	4,41	2,65
Tryptophan*	2,10	1,26
Tyrosine	3,27	1,96
Valine*	4,77	2,86

\*Essential Amino Acids

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The producer has developed an Identity Preservation Programme certified by the 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**

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