



**x·SOY600**

*Soy Protein Concentrate*

**Selecta<sup>®</sup>**



Soy Protein Concentrate



X-SOY 600™ is Selecta's Soy Protein Concentrate produced through aqueous alcohol extraction of defatted soy flakes. This process removes the soluble carbohydrates, trypsin inhibitors, glycinin, B-conglycinin, saponins, and oligosaccharides that are considered to be allergenic and anti-nutritional factors (ANF's) in conventional soybean meal.

IN COMPARISON AMONG DIFFERENT VEGETABLE AND ANIMAL PROTEIN SOURCES, X-SOY 600 HAS:



**HIGH STANDARDS OF QUALITY**

Based on international quality standards, Selecta produces certified SPC.



**TYPICAL PROFILE**

**Chemical Composition (as fed basis)**

Crude Protein (min)	60%
Moisture (max)	10%
Crude Fat (max)	2%
Crude Fiber (max)	5%
Ash (max)	7%

**Energy**

Gross Energy	4.529 kcal/kg
True M.E. Poultry	2.870 kcal/kg
D.E. Fish	3.170 kcal/kg
M. E. Swine	3.658 kcal/kg

**Digestibility Coefficient - Protein**

Fish	92%
Poultry	93.5%
Swine (S.I.D.)	87.45%

**Particle Size**

95% of particles less than	2 mm
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**Amino acids** Total % FISH Coefficient of Digestibility, % FISH Digestible AA %

Lysine	3.82	94	3.59
Methionine	0.82	97	0.80
Threonine	2.44	88	2.15
Tryptophan	0.82	84	0.69
Arginine	4.43	99	4.39
Valine	2.88	95	2.68

**Anti-nutritional Factors**

Trypsin Inhibitor Activity (max)	1.0 mg/g
Glycinin	0.40 mg/kg
Beta-Conglycinin	0.30 mg/kg
Raffinose	< 0.1%
Stachyose	< 0.1%

**Biological Analysis**

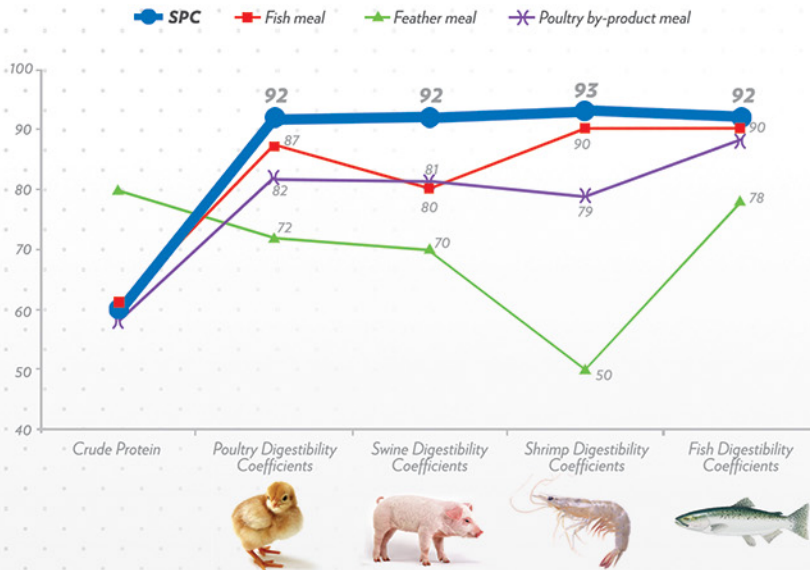
Salmonella	Absent /25g
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# Nutritional Benefits

EXCELLENT NUTRIENT PROFILE AND HIGH DIGESTIBLE AMINO ACIDS FOR FISH, SHRIMP, SWINE, POULTRY AND PETS.

COEFFICIENT OF DIGESTIBILITY OF CRUDE PROTEIN (%)



SPC is well known as the best vegetable protein to replace fishmeal in aquaculture diets.

**BEYOND THAT**

- X-SOY 600 is a sustainable feedstuff for aquaculture.
- Ensures low formulation costs.

X-SOY 600 were evaluated in fish by USDA- Agricultural Research Service. As part of database of nutrient digestibility's of traditional and novel Feed Ingredients for Trout and Hybrid Striped Bass. Request full text: [x-soy@selecta.com.br](http://x-soy@selecta.com.br)



## Better digestion in Swine

Positive effects of replacing blood plasma by X•SOY 600 over pig performance - Daily Weight Gain (DWG) and Feed Conversion Rate (FCR).



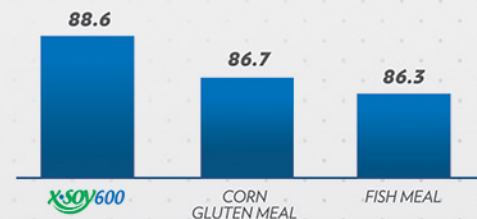
Growth performance, intestinal morphology and blood parameters of piglets fed different soy protein concentrate levels. *Journal of Animal Science*, v. 91 Supl. 2, p.584, 2013.



## Excellent protein source for shrimp diets

X•SOY has high protein content, high digestibility and it is free of antinutritional factors.

APPARENT DIGESTIBILITY OF PROTEIN IN SHRIMP, %<sup>1</sup>

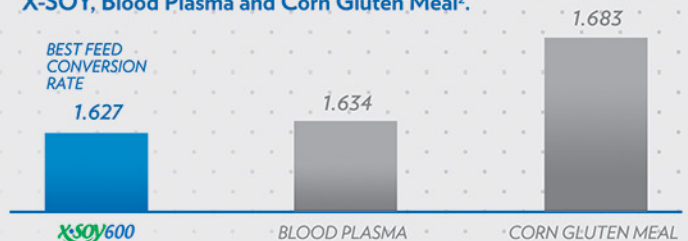


<sup>1</sup> In vitro protein digestibility of feeds measured by specie-specific shrimp enzymes.



## Better digestion, nutrient absorption and performance in poultry diets

Poultry performance from 1 to 42 days of age fed with 5% of X-SOY, Blood Plasma and Corn Gluten Meal<sup>2</sup>.



<sup>2</sup> FORTES, B.D.A. Addition of enzymes in diets with different sources of protein for poultry. PhD thesis. 99p. UFG, 2014.

**Selecta**<sup>®</sup>

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