



**Technical Data Sheet**

*X-SOY 600 is CJ Selecta's soy protein concentrate. It is an innovative vegetable protein, with high quality, widely used as a functional ingredient for aqua feeds, piglets feeds, starter chickens diets, pet food and calf milk replacers.*

*CJ Selecta's X-SOY 600 has low allergenic proteins and antinutritional factors content, affecting positively animals performance.*

<b>Chemical Composition</b>		<b>Energy <sup>(1)</sup></b>	
Crude protein (DM)	65%	Gross energy	4471 kcal/kg
Crude protein (as is)	60%		
Moisture (max)	10%	<b>Amino acids <sup>(2)</sup></b>	<b>Total (%)</b>
Fat (min)	0.4%	Alanine	2.68
Ash (max)	7%	Arginine	4.59
Crude fiber (max)	5%	Aspartic acid	7.02
NDF	12%	Glutamic acid	11.27
ADF	7%	Cystin	0.92
		Phenylalanine	3.18
<b>Antinutritional Factors (ANF)</b>		Glycin	2.60
Trypsin inhibitor activity	< 1.00 mg/kg	Histidine	1.67
Beta conglycinin	< 3.0 mg/kg	Isoleucine	2.79
Glycinin	< 2.0 mg/kg	Leucine	4.68
Raffinose	< 0.6%	Lysine	3.87
Stachyose	< 1.6%	Methionine	0.85
		Prolin	3.14
<b>Contaminants</b>		Serine	3.52
Salmonella	Absent/25g	Tyrosin	2.35
Mycotoxins	Absent	Threonine	2.47
Dioxin	Absent	Tryptophan	0.81
		Valine	3.01
<b>Packaging</b>		Met + Cys	1.77
Bags	25 kg	Phe + Tyr	5.53
Bigbags	1000 & 1200 kg	Gly + Ser	6.12
Bulk			
<b>Shelf life</b>	24 months		
<b>Particle size</b>	2 mm		
<b>Storage</b>			
Store on pallets in a covered, dry and ventilated place			

Goiânia, June 04th, 2018

Guilherme Castanho Tancredi  
Diretor  
CJ Selecta S/A

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<b>Fatty acids</b>	<b>g/100g</b>	<b>Minerals<sup>(1)</sup></b>	<b>g/100g</b>
Palmitic acid C16:0	0.31	Calcium	0.40
Stearic acid C18:0	0.08	Total phosphorous	0.73
Elaidic acid C18:1 n-9	0.40	Phytic phosphorous	0.45
Linoleic acid C18:2 n-6	0.91	Available phosphorous	0.27
Linolenic acid C18:3 n-3	0.10	Potassium	2.18
		Sodium	0.02
		Magnesium	0.29
<b>Lipid class composition (% total lipid)</b>	<b>g/100g</b>	Sulfur	0.57
Wax/sterol esters	0.032		<b>mg/kg</b>
Triacylglycerols	0.848	Manganese	38.3
Free fatty acids	0.140	Iron	150
Sterols/cholesterol	0.188	Copper	32.6
<b>Total neutral lipids</b>	<b>1.208</b>	Zinc	24
Glycolipid 3	0.102	Selenium	0.28
Glycolipid 2	0.035		
Glycolipid 1	0.010	<b>Vitamins</b>	<b>mg/kg</b>
Phosphatidylethanolamine	0.190	Biotin	0.26
Phosphatidylglycerol/cardiolipin	0.027	Choline	2.61
Phosphatidylinositol	0.101	Folacin	0.60
Phosphatidylserine	0.034	Nacin	28.0
Phosphatidylcholine	0.150	Pantothenic acid	16.3
Sphingomyelin	0.008	Vitamin B6	6.00
Lysophosphatidylcholine	0.008	Riboflavin	2.90
Pigmented material	0.132	Thiamin	6.0
<b>Total polar lipids</b>	<b>0.797</b>	Vitamin E	2.40
<b>Suggested inclusion levels</b>			
Aquafeed	7 to 20%		
Pet food	5 to 33%		
Poultry	3 to 6%		
Piglet	3 to 12%		

X-SOY 600 is produced through an aqueous alcohol extraction of deffated soy flakes. This extraction process removes soluble carbohydrate, lectins, trypsin inhibitors, glycinin, beta-conglycinin, saponins and oligosaccharides that are considered to be antinutritional factors (ANF's) that naturally occurs in soybeans.



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<sup>1</sup> ROSTAGNO, H.S. ET AL. BRAZILIAN TABLES FOR POULTRY AND SWINE. 4<sup>th</sup> ED. VIÇOSA: DEPARTAMENTO DE ZOOTECNIA, UFV, 2017

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